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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME  
OF PRIME CONTRACT AWARDS FOR RDT&E, FY-84. (U)  
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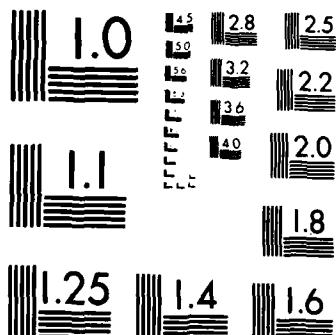
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MICROCOPY RESOLUTION TEST CHART  
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ITS DISTRIBUTION IS UNLIMITED**



**500 CONTRACTORS  
RECEIVING THE LARGEST DOLLAR VOLUME  
OF PRIME CONTRACT AWARDS  
FOR RDT&E**

Fiscal Year 1984

**500**

**500 CONTRACTORS RECEIVING  
THE LARGEST DOLLAR VOLUME  
OF PRIME CONTRACT AWARDS  
FOR RESEARCH, DEVELOPMENT,  
TEST, AND EVALUATION**

**Fiscal Year 1984**

Department of Defense  
Washington Headquarters Services  
Directorate for Information  
Operations and Reports

## **FOREWORD**

*500 Contractors Receiving the Largest Dollar Volume of Prime Contract Awards for Research, Development, Test and Evaluation (RDT&E)* is published annually. This report provides information on the 500 contractors that received the largest dollar volume in Department of Defense (DOD) prime contract awards over \$25,000 for RDT&E. These data are presented in five tables showing:

1. An alphabetical listing of the top 500 companies, with rank;
2. The ranking of and net value of awards to business firms operating in the United States;
3. The ranking of and net value of awards to educational and other nonprofit institutions operating in the United States;
4. The ranking of and net value of awards to foreign contractors; and
5. The ranking of and net value of awards to U.S. Government agencies.

## TABLE OF CONTENTS

Introduction . . . . .	1
Tables:	
Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation . . . . .	5
Table 2. Net Value of DOD Prime Contract Awards Over \$25,000 for RDT&E to Business Firms . . . . .	11
Table 3. Net Value of DOD Prime Contract Awards Over \$25,000 for RDT&E to Educational and Non-profit Institutions . . . . .	25
Table 4. Net Value of DOD Prime Contract Awards Over \$25,000 for RDT&E to Foreign Contractors . . . . .	29
Table 5. Net Value of DOD Prime Contract Awards Over \$25,000 for RDT&E to U.S. Government Agencies . . . . .	31

## **INTRODUCTION**

This report presents summary data on the 500 prime contractors receiving the largest dollar volume in Department of Defense (DOD) awards over \$25,000 for research, development, test, and evaluation (RDT&E) work during Fiscal Year (FY) 1984. RDT&E work can include research, exploratory development, advanced development, engineering development, operational systems development, or management and support services. (Full definitions for each of these categories are provided in DFARS 35.001.)

Table 1 (page 5) lists the 500 contractors in alphabetical order, shows the ranking for each, and shows how each has been categorized for reporting purposes. The categories are business firm (B), foreign contractor (F), and nonprofit institution (N). Table 2 (page 11) shows the net value of awards to business firms operating in the United States, by rank. Those firms which qualify as small businesses are further identified by an "S". The net value of awards to each of the firm's individual locations is also provided. Tables 3, 4, and 5 (pages 25, 29, and 31, respectively) provide the net value of awards to educational and other nonprofit institutions operating in the United States, foreign contractors, and U.S. government agencies, respectively. (While awards to U.S. government agencies are listed separately in Table 5, these agencies are categorized as nonprofit institutions in Table 1.) As in Table 2, contractors in Tables 3 through 5 are shown by rank, along with the net value of awards to each of the contractor's individual locations.

## **NOTES ON COVERAGE**

The dollar amounts shown here include prime contract awards over \$25,000 for RDT&E work only. Data on awards for other services, such as training, and on any supplies furnished by the contractors in support of research being done are excluded. Contract awards for civil functions have been included in these data. Civil functions encompass planning, programming, designing, constructing, and operating Federal water resource projects for navigation, flood control, hydroelectric power production, water supply, and other related activities.

The locations shown in the tables are the places where the work was to be performed. Normally, this is a facility of the concern awarded the contract. However, if the work was scheduled to be performed at a Defense facility, such as an Air Force base, the location shown is that of the Defense facility rather than the contractor.

DATA RELATING TO COMPANIES IN THIS PUBLICATION ARE SUBJECT TO THE ACCURACY OF THE DUN & BRADSTREET CORPORATION'S DATA UNIVERSAL NUMBERING SYSTEM AND ITS ABILITY TO DESCRIBE RELATIONSHIPS OF COMPANIES.

## **HIGHLIGHTS**

The following table shows the net value and percent distribution of all RDT&E awards, RDT&E awards to the top 500 companies, and all other RDT&E awards for FY 1984.

**Department of Defense Prime Contract Awards Over \$25,000**  
**Table II (Top 500 & ED/Nonprofit Pubs.)**  
**Fiscal Year 1984**

TYPE OF CONTRACTOR	TOTAL RDT&E			TOP 500 RDT&E			ALL OTHER RDT&E		
	NUMBER	AWARDS (\$000)	% OF TOTAL	NUMBER	AWARDS (\$000)	% OF TOTAL	NUMBER	AWARDS (\$000)	% OF TOTAL
RDT&E - TOTAL	2,033	18,277,017	100	500	17,958,376	100	1,533	318,641	100
BUSINESS FIRMS	1,630	16,109,626	88	382	15,852,587	88	1,248	257,039	81
Small	1,196	845,147	5	192	646,448	4	1,004	198,699	62
Large	434	15,264,479	84	190	15,206,139	85	244	58,340	18
EDUCATIONAL & NONPROFIT	318	2,117,095	12	112	2,065,049	11	206	52,046	16
Educational	240	1,069,364	6	86	1,026,061	6	154	43,303	14
Other Nonprofit	78	1,047,731	6	26	1,038,988	6	52	8,743	3
U.S. GOVERNMENT AGENCIES	9	20,549	*	4	19,082	*	5	1,467	*
FOREIGN	76	29,747	*	2	21,658	*	74	8,089	3

The distribution of FY 1984 awards varies only slightly from that in FY 1983. In FY 1984, the top 500 contractors included 382 U.S. business firms (192 of which were small businesses); 112 educational and nonprofit institutions; 2 foreign contractors; and 4 U.S. government agencies.

In FY 1983 the top 500 consisted of 382 business firms (175 were small businesses); 110 educational and nonprofit institutions; 5 foreign contractors; and 3 U.S. government agencies.

In addition to the top 500 contractors, there were 1,533 other contractors for whom RDT&E procurement actions over \$25,000 were reported, for a total of 2,033 contractors for FY 1984. In FY 1983, the total number of contractors was 1,901. The top 500 RDT&E contractors received awards totaling \$17,958 million in FY 1984, compared to \$16,014 million in FY 1983, an increase of \$1,944 million or 12.1 percent. The \$17,958 million represents 98.3 percent of the \$18,277 million total prime contract awards over \$25,000 for RDT&E work in FY 1984.

Of the 36 contractors with RDT&E awards of \$100 million or more in FY 1984, 31 were business firms and 5 were educational and other nonprofit institutions. These 36 contractors had a total of \$13,965 million in RDT&E awards. In FY 1983, there were 32 contractors who reached the \$100 million plateau, with awards totaling \$11,370 million. Of these 32 contractors, 28 were business firms and 4 were educational and other nonprofit institutions. The amount of awards for this \$100 million group increased by \$2,595 million or 22.8 percent between FY 1983 and 1984.

The following table shows the type of RDT&E work the contractors were engaged in and the net value and percent distribution of all awards for each of these types in FY 1984. Engineering development accounted for the majority (55.6 percent) of RDT&E awards, followed by operational systems (16.0 percent).

TYPE	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	\$18,277,017	100.0
Engineering Development	10,154,318	55.6
Operational Systems	2,918,943	16.0
Advanced Development	2,542,299	13.9
Exploratory Development	1,245,750	6.8
Research	956,558	5.2
Management and Support	459,149	2.5

The following table shows the net value and percent distribution of all RDT&E awards by type of program. Within the RDT&E contracts, the largest volume of awards was for the research, development, test, or evaluation of missile & space systems and electronics & communications equipment. In FY 1984, a combined total of \$11,940 million or 65.3 percent of all RDT&E awards over \$25,000 was for work connected with these programs.

PROGRAM	AWARDS (\$000)	PERCENT OF TOTAL
RDT&E - TOTAL	\$18,277,017	100.0
Missile & Space Systems	7,295,659	39.9
Electronics & Communication Equipment	4,643,988	25.4
Aircraft	2,315,927	12.7
Services	2,087,834	11.4
Ships	662,247	3.6
Weapons	564,164	3.1
Ammunition	297,224	1.6
Tank-Automotive	136,544	.7
All Other	273,430	1.5

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work: FY 1984**

RANK + LIST	CONTRACTOR	RANK + LIST	CONTRACTOR
66 S	A A I CORPORATION	202 B	ASSURANCE TECHNOLOGY CORP
50 S	A T & T TECHNOLOGIES INC	306 B	ATLANTIC ANALYSIS CORPORATION
147 B	ACUREX CORPORATION	87 B	ATLANTIC RESEARCH CORPORATION
454 S	ADAPTIVE OPTICS ASSOCIATES INC	468 N	AUBURN UNIVERSITY
497 S	ADAPTIVE SENSORS INC	276 S	AUTOMATED SERVICES GROUP INC
349 S	ADVANCED DIGITAL SYSTEM INC	53 B	AUTOMATION INDUSTRIES INC
295 B	ADVANCED INF DECSN SYS INC	443 B	AUTOMETRIC INC
316 B	ADVANCED RES/APLTNS CP	30 B	AVCO CORPORATION
176 B	ADVANCED TECHNOLOGY INC	148 B	AVCO EVERETT RESEARCH LAB
419 B	AERODYNE RESEARCH INC	469 B	B-K DYNAMICS INC
368 B	AEROJET ORDINANCE COMPANY	116 B	BALL CORPORATION
24 B	AEROJET STRATEGIC PROPULSION	85 N	BATTELLE MEMORIAL INSTITUTE
404 B	AEROJET TECHSYSTEMS	385 N	BATTELLE-COLUMBUS LABORATORS
98 B	AEROJET-GENERAL CORPORATION	46 B	BDM CORPORATION THE
487 B	AEROMET INC	196 B	BDM INTERNATIONAL INC
15 N	AEROSPACE CORPORATION THE	274 B	BECHTEL NATIONAL INC
493 B	AGBABIAN ASSOCIATES	439 B	BEDFORD RESEARCH ASSOCIATES
480 N	AGCRON INSTITUTE	181 B	BEECH ACROFT CORP INC
330 B	ALL-BANN ENTERPRISES INC	391 B	BELL AEROSPACE TEXTRON
310 B	ALLEN CORP OF AMER INC	39 B	BELL HELICOPTER-TEXTRON
478 B	ALPHA INDUSTRIES INC	42 B	BELL-BOEING JV
446 B	ALPHATECH INC	69 B	BENDIX CORPORATION THE
271 B	ALTUS CORPORATION	141 B	BENDIX FIELD ENGINEERING CORP
423 B	AMERICAN ELECTRONIC LABS	427 B	BERKELEY RESEARCH ASSOC
456 N	AMERICAN SOC FO ENGRG EDUCTN	348 B	BETAC CORPORATION
174 B	AMERICAN TELEPHONE & TELG CO	1 B	BOEING COMPANY INC THE
455 N	AMERICAN UNIVERSITY	76 B	BOLT BERANEK AND NEWMAN INC
100 B	AMEX SYSTEMS INC	96 B	BOOZ ALLEN & HAMILTON INC
390 B	AMPEX CORPORATION	329 N	BOSTON COLLEGE TRUSTEES OF
272 B	ANALYSIS & COMPUTER SYS	226 N	BOSTON UNIVERSITY TRUSTEES
307 B	ANALYSIS & TECHNOLOGY INC	309 N	BROWN UNIV PRV ST RI PLAN
359 B	ANALYTIC DECISION INCORPOR	185 B	BRUNSWICK CORPORATION
107 N	ANALYTIC SERVICES INC	145 B	BUNKER RAMO/ELTRA CORP AN ALLO
458 B	ANALYTICAL ASSESSMENTS CORP	125 B	BURROUGHS CORPORATION
230 B	ANALYTICAL S-S ENGRNG CORP	410 B	C A I DIV OF PECON OPTICAL
138 B	ANALYTICS INCORPORATED	381 B	C N R INC
210 B	ANALYTIC ELECTRONIC SYSTEMS	285 B	CACI INC FEDERAL
496 B	ANAMET LABS INC	259 B	CALCULON U S CORPORATION
495 B	ANDRULIS RESEARCH CORP	187 N	CALIFORNIA INST
317 B	APPLICATION RESEARCH CORP	170 B	CALIFORNIA RES & TECHNOLOGY
405 B	APPLIED RESEARCH ASSOC INC	47 B	CALSPAN CORPORATION
242 B	APPLIED RESEARCH INC	88 F	CANADIAN COMMERCIAL CORPORATION
453 B	APPLIED TECHNOLOGY ASSOCI	438 B	CANYON RESEARCH INC
289 B	AQUA-CHEM INC	132 N	CARNEGIE MELLON UNIVERSITY
184 B	ARES INC	290 N	CASE WSTRN RSRY UNVRSTY
346 B	ARETE ASSOCIATES	255 B	CHAMBERLAIN MANUFACTURING CORP
292 B	ARGOSYSTEMS	97 B	CHRYSLER CORPORATION
321 B	ARINC RESEARCH CORPORATION	341 B	CINCINNATI ELEC CORP
475 N	ARIZONA STATE UNIV	372 B	CLASSIFIED
379 N	ARMOUR PHARMACEUTICAL COMPANY	472 N	COLORADO SCHOOL OF MINES

\* B = BUSINESS FIRM

F = FOREIGN CONTRACTOR

N = NON PROFIT INSTITUTION

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work; FY 1984  
(Continued)**

RANK + LIST	CONTRACTOR	RANK + LIST	CONTRACTOR
466 N	COLORADO SEMINARY	80 B	ELECTROSPACE SYSTEMS INC
375 N	COLORADO STATE UNIVERSITY	68 B	EMERSON ELECTRIC CO
193 B	COLSA INC	377 N	EMMANUEL COLLEGE
165 N	COLUMBIA UNIVERSITY	406 B	ENERGY RESEARCH CORPORATION
437, B	COMCON INC	246 B	ENGINEERING & ECONOMICS RLS
254 B	COMMAND CNTRL & COMM CORP	264 B	ENSCO INC
151 B	COMPTEK RESEARCH INC	134 N	ENVIRONMENTAL RES INST MICH
267 B	COMPUTER CORP AMER	41 B	ESL INC
331 B	COMPUTER SCIENCE APPL INC	43 B	FAIRCHILD INDUSTRIES INC
55 B	COMPUTER SCIENCES CORPORATION	175 B	FAIRCHILD WESTON SYSTEMS INC
426 B	COMPUTER SYSTEMS MANAGEMENT	340 B	FIBER MATERIALS INC
357 B	CONTEL INFORMATION SYSTEMS INC	207 B	FIGGIE INTERNATIONAL INC
86 B	CONTROL DATA CORPORATION	421 B	FIRST ANN ARBOR CORPORATION
302 B	CONTROL DYNAMICS COMPANY	409 B	FLIGHT SYSTEMS INC
180 N	CORNELL UNIVERSITY	378 N	FLORIDA STATE UNIVERSITY
396 B	CORVUS SYSTEMS INC	169 B	FLOW GENERAL INC
110 B	CUBIC CORPORATION	414 B	FLOW INDUSTRIES INC
140 B	CUMMINS ENGINE COMPANY INC	84 B	FMC CORPORATION
463 B	C3CM TEST ENGR CONSORTIUM	27 B	FORD AEROSPACE & COMMUNCTNS
400 B	D B A SYSTEMS INC	120 B	FORD MOTOR COMPANY
479 B	DAYRON CORPORATION	299 B	FOSTER-MILLER INC
389 B	DECISIONS AND DESIGNS INC	435 B	FRIED D L ASSOCIATES INC
251 B	DEFENSE SYSTEMS INC	192 B	G A TECHNOLOGIES INC
158 B	DEL REY SYSTEMS INC	398 B	G T E LABORATORIES INC
481 B	DELEX SYSTEMS INC	29 B	G T E SERVICE CORPORATION
339 B	DELTA RESEARCH INC	484 B	GARD INC
199 B	DIGITAL EQUIPMENT CORPORATION	48 B	GARRETT CORPORATION THE
275 B	DIVERSIFIED DATA CORPORATIO	195 B	GENERAL ATOMIC
220 B	DONALDSON COMPANY INC	6 B	GENERAL DYNAMICS CORPORATION
172 B	DOW CHEMICAL COMPANY THE	4 B	GENERAL ELECTRIC COMPANY
17 N	DRAPER CHARLES STARK LAB	106 B	GENERAL MOTORS CORPORATION
483 N	DREXEL UNIVERSITY INC	407 B	GENERAL OFFSHORE CORPORATION
388 N	DUKE UNIVERSITY	124 B	GENERAL RESEARCH CORPORATION
122 B	DYNALECTRON CORPORATION	183 B	GENTEX CORPORATION
173 B	DYNAMAC INTERNATIONAL	231 B	GEO-CENTERS INC
188 B	DYNAMICS RESEARCH CORPORATION	225 B	GEODYNAMICS CORP
319 B	DYNAMICS TECHNOLOGY	287 N	GEORGE WASHINGTON UNVRSTY THE
161 B	DYNETICS INC	347 N	GEORGETOWN UNIVERSITY
433 B	E C CORPORATION THE	362 N	GEORGIA INSTITUTE TECHNOLOGY
452 B	E I C LABORATORY INC	78 N	GEORGIA TECH RESEARCH CORP
286 B	E-BEAM DATA SYSTEMS INC	190 B	GILBERT ASSOCIATES INC
111 B	E-SYSTEMS INC	60 B	GLOBAL ASSOC A JOINT VENTURE
273 B	EAGLE TECHNOLOGY INC	82 B	GOODYEAR AEROSPACE CORPORATION
261 B	EARTH TECHNOLOGY CORPORATION	168 B	GOULD INC
45 B	EATON CORPORATION	22 B	GRUMMAN AEROSPACE CORPORATION
467 B	ECLECTECH ASSOCIATES	253 B	GTE COMMUNICATION SYSTEMS CORP
218 B	EDO CORPORATION	155 B	GTE CORPORATION
127 B	EG&G INC	28 B	GTE PRODUCTS CORPORATION DEL
332 B	ELECTRONIC ASSOCIATES INC	424 B	GULF & WESTERN INDUSTRIES INC
343 B	ELECTRONIC WARFARE ASSOC	417 B	H H AEROSPACE DESIGN CO

\* B = BUSINESS FIRM  
F = FOREIGN CONTRACTOR  
N = NON PROFIT INSTITUTION

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work:FY 1984  
(Continued)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
268 B HADRON INC		146 B LEADCO CREDIT UNION	
327 B HANCOCK/DIKEWOOD SERVICES INC		182 B LEAR SIEGLER INC	
301 B HANSON R A CO INC		350 N LEHIGH UNIVERSITY	
38 B HARRIS CORPORATION		123 B LITTLE ARTHUR D INC	
221 B HARSCO CORPORATION		263 B LITTON INDUSTRIES INC	
227 N HARVARD UNIVERSITY		57 B LITTON SYSTEMS INC	
248 B HAYES INTERNATIONAL CORP		40 B LOCKHEED CORPORATION	
61 B HAZELTINE CORPORATION		325 B LOCKHEED ELECTRONICS COMPANY	
470 B HELIONETICS INC		436 B LOCKHEED ENGRG & MGT SVS CO	
52 B HERCULES INCORPORATED		2 B LOCKHEED MIS/SP CO INC	
20 B HONEYWELL INC		49 B LOGICON INC	
178 B HORIZONS TECHNOLOGY INC		239 B LORAL CORPORATION	
136 B HRB-SINGER INC		447 N LOUISIANA ST UNV AGR MH CL SY	
83 N HUDSON INSTITUTE INC		25 B LTV AEROSPACE AND DEFENSE CO	
8 B HUGHES AIRCRAFT COMPANY		139 B M/A COM LINKABIT INC	
326 B HUMAN FACTORS RESEARCH		257 B MAC AULAY-BROWN INC	
214 N HUMAN RESOURCES RES ORGANIZTN		56 B MAGNAVOX GOVT & IND ELEC	
194 B HYCOR INC		265 B MANTECH INTRNL CORP	
62 N I I T RESEARCH INSTITUTE		491 B MARINETTE MARINE CORP	
489 B I M R		415 B MARK RESOURCES INC	
369 B I R T CORPORATION		191 B MARLOW INDUSTRIES INC	
279 B IMPERIAL AVIATION INC		197 B MARQUARDT CO INC	
137 B INCO INC		5 B MARTIN MARIETTA CORPORATION	
256 B INFORMATION DEV APPLICATIONS		18 N MASSACHUSETTS INSTITUTE TECH	
229 B INFORMATION SYS NETWKS CORP		238 N MASSACHUSETTS UNIVERSITY OF	
494 B INFORMATION SYS & NET SBA		352 B MATERIAL CONCEPTS INC	
490 B INFOT . . SYSTEMS CORPORATION		462 B MAXIMA CORPORATION THE	
157 B INGERSOLL-RAND COMPANY INC		126 B MAXWELL LABORATORIES INC	
81 N INSTITUTE FOR DEF ANALYSES		499 N MAYO FOUNDATION	
420 B INTEGRATED SYSTEMS ANALYSTS		7 B MC DONNELL DOUGLAS CORPORATION	
488 B INTERGRAPH CORPORATION		298 B MC MULLEN JOHN J ASSOCIATES	
115 B INTERMETRICS INC		401 B METEOR COMMUNICATIONS CORP	
13 B INTERNATIONAL BUSINESS MCHS		162 B METRIC SYSTEMS CORPORATION	
413 B INTERNATIONAL SIGNAL & CONTRL		360 N MICHIGAN STATE UNIVERSITY	
320 B INTERSPEC INC		445 N MICHIGAN TECHNOLOGICAL UNIV	
34 B INTERSTATE ELECTRONICS CORP		461 B MINE SAFETY APPLIANCES CO	
476 F ISRAEL MILITARY INDUSTRIES		117 B MISSION RESEARCH CORPORATION	
95 B ITEK CORPORATION		21 N MITRE CORPORATION THE	
160 B ITT AVIONICS/TI (JV)		32 B MORTON THICKOL INC	
35 B ITT CORPORATION		37 B MOTOROLA INC	
54 B ITT WESTINGHOUSE (JV)		149 N NATIONAL ACADEMY OF SCIENCES	
99 B JAYCOR		109 N NATIONAL AERONAUTIC ASSN USA	
16 N JOHNS HOPKINS UNIVERSITY		500 N NATIONAL SCIENCE FOUNDATION	
77 B KAMAN SCIENCES CORPORATION		281 N NEW MEXICO INST MINING & TECH	
395 B KARAGOZIAN & CASE		114 N NEW MEXICO STATE UNIVERSITY	
441 B KESTREL INSTITUTE		282 B NEW TECHNOLOGY INC	
382 B KETRON INC		342 N NEW YORK UNIVERSITY	
459 B KEYSTONE COMPUTER ASSOC INC		449 B NEWPORT NEWS SHIPBLDG DRYDOCK	
451 B KOHLER CO		128 B NICHOLS RESEARCH CORP INC	
416 N LA JOLLA INSTITUTE		79 B NORDEN SYSTEMS INC	

\* B = BUSINESS FIRM

F = FOREIGN CONTRACTOR

N = NON PROFIT INSTITUTION

Table 1. Summary of the Ranking of the Top 500 Firms by Total Sales, Profit Margin, Test, and Evaluation Model (Continued)

\* E = ESS, \* F = FINE, \* N = NO.

**Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors  
for Research, Development, Test, and Evaluation Work: FY 1984  
(Concluded)**

RANK + LIST *	CONTRACTOR	RANK + LIST *	CONTRACTOR
383 B	SUMMIT RESEARCH CORPORATION	167 B	UNIVERSAL ENERGY SYSTEMS INC
209 B	SUPPORT SYSTEMS ASSOCIATES INC	394 N	UNIVERSITY OF ALABAMA
53 B	SVERDRUP TECHNOLOGY INC	283 N	UNIVERSITY OF ARIZONA
440 B	SYNECTICS CORP	58 N	UNIVERSITY OF CAL SYS WIDE ADM
211 B	SYNOPTIC SYSTEMS CORP	311 N	UNIVERSITY OF COLORADO
269 N	SYRACUSE RESEARCH CORP	101 N	UNIVERSITY OF DAYTON
244 B	SYSCON CORPORATION	212 N	UNIVERSITY OF FLORIDA
67 B	SYSTEM DEVELOPMENT CORPORATION	338 N	UNIVERSITY OF HAWAII
156 B	SYSTEM PLANNING CORPORATION	121 N	UNIVERSITY OF ILLINOIS
474 B	SYSTEMATICS GENERAL CORP	337 N	UNIVERSITY OF IOWA INC THE
108 B	SYSTEMS APPLD SCNCS CORP	159 N	UNIVERSITY OF MARYLAND INC
249 B	SYSTEMS CONTROL INC	240 N	UNIVERSITY OF MIAMI INC
243 B	SYSTEMS EXPLORATION INC	205 N	UNIVERSITY OF MICHIGAN
373 B	SYSTEMS PLANNING & ANALYSIS	315 N	UNIVERSITY OF MINNESOTA
74 B	SYSTEMS RESEARCH LABORATORIES	444 N	UNIVERSITY OF MISSOURI
300 B	T A D COMMUNICATION	89 N	UNIVERSITY OF NEW MEXICO THE
213 B	T S C INC	322 N	UNIVERSITY OF NORTH CAROLINA
365 B	TCOM CORP	198 N	UNIVERSITY OF PENNSYLVANIA
353 B	TECHDYN SYSTEMS CORPORATION	351 N	UNIVERSITY OF PGH COMMON
216 B	TECHNOLOGY DEVLPMT/CAL NC	291 N	UNIVERSITY OF RHODE ISLAND
418 B	TECHNOLOGY INCORPORATED	335 N	UNIVERSITY OF ROCHESTER
384 B	TECHPLAN CORP	75 N	UNIVERSITY OF SOUTHERN CAL
323 B	TEKTRONIX INC	65 N	UNIVERSITY OF TEXAS SYSTEM
166 B	TELEDYNE CONTINENTAL MOTORS	233 N	UNIVERSITY OF UTAH
411 B	TELEDYNE ENERGY SYSTEMS	94 N	UNIVERSITY OF WASHINGTON
51 B	TELEDYNE INC	189 N	UNIVERSITY OF WISCONSIN SYSTEM
103 B	TELEDYNE INDUSTRIES INC	119 B	URS-BERGER
247 B	TELEPHONICS CORPORATION	133 N	UTAH STATE UNIVERSITY
425 B	TERRA TEK INC	260 B	VARIAN ASSOCIATES
324 N	TEXAS A & M RESEARCH FDN	386 B	VEDA INCORPORATED
31 B	TEXAS INSTRUMENTS INCORPORATED	234 B	VERAC INCORPORATED
498 B	TEXAS MEDICAL INSTRUMENTS INC	250 N	VIRGINIA PLYTCHNC INST/ST UNIV
70 B	TEXTRON INC	432 B	VISIDYNE INC
104 B	THE ANALYTIC SCIENCES CORP	232 B	VITRONICS INC
492 B	THINKING MACHINE CORP	422 B	VSE CORPORATION
392 B	THIOKOL CORPORATION	485 B	WAGNER DANIEL H ASSOCIATES
313 B	TITAN SYSTEMS INC	223 N	WASHINGTON BOOKER T FOUNDATIN
464 B	TOYON RESEARCH CORP	334 B	WASHINGTON PATROL SERVICE INC
90 B	TRACOR INC	434 N	WASHINGTON STATE UNIV
408 B	TRIAD MICROSYSTEMS INC	294 N	WASHINGTON UNIVERSITY
358 N	TRUSTEES COLUMBIA UNVRSTY	293 B	WATKINS-JOHNSON COMPANY
10 B	TRW INC	237 B	WEIDLINGER ASSOCIATES INC
284 B	TVI ENERGY CORPORATION	428 N	WENTWORTH INST TECHNOLOGY
308 N	U S DEPARTMENT OF COMMERCE	163 B	WESTERN RESEARCH CORPORATION
142 B	U T L CORPORATION	9 B	WESTINGHOUSE ELECTRIC CORP
105 B	ULTRASYSTEMS INCORPORATED	26 B	WILLIAMS INTERNATIONAL CORP
72 B	UNIDYNAMICS CORPORATION	102 N	WOODS HOLE OCEANOGRAPHIC INSTN
366 B	UNITED STATES DEPARTMENT DEF	297 B	XEROX CORPORATION
429 N	UNITED STATES DEPT ENERGY	393 B	XONTECH INC
19 B	UNITED TECHNOLOGIES CORP	204 N	YALE UNIVERSITY

\* B = BUSINESS FIRM

F = FOREIGN CONTRACTOR

N = NON PROFIT INSTITUTION

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
1	BOEING COMPANY INC THE HUNTSVILLE ALABAMA WICHITA KANSAS OKLAHOMA CITY OKLAHOMA PHILADELPHIA PENN RIDLEY PARK PENN HOUSTON TEXAS KENT WASHINGTON SEATTLE WASHINGTON	1,788,529 * 7,070 241,770 830 10,620 709 162 197,873 1,329,495	6	MARTIN MARIETTA CORPORATION WAKEFIELD MASS KIRTLAND AIR F NEW MEXICO	2,199 2
2	LOCKHEED MIS/SP CO INC HUNTSVILLE ALABAMA WYCCAMP ARKANSAS PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA AUSTIN TEXAS SEATTLE WASHINGTON	1,156,553 * 3,156 10,000 20,057 1,041,939 80,317 1,084	6	GENERAL DYNAMICS CORPORATION VUMA ARIZONA POMONA CALIFORNIA SAN DIEGO CALIFORNIA ORTON CONNECTICUT CENTER LINE MICHIGAN STERLING HEIGHT MICHIGAN TROY MICHIGAN WARREN MICHIGAN KIRTLAND AIR F NEW MEXICO LIMA ARMY TANK OHIO DALLAS TEXAS FORT WORTH TEXAS	695,923 * 624 81,492 375,902 42,209 1,839 105 6,739 41,132 2,050 1,207 294 142,330
3	ROCKWELL INTERNATIONAL CORP ANAHEIM CALIFORNIA DOWNNEY CALIFORNIA EDWARDS AIR FO CALIFORNIA EL SEGUNDO CALIFORNIA LOS ANGELES CALIFORNIA NEWPORT BEACH CALIFORNIA SEAL BEACH CALIFORNIA STANFORD CALIFORNIA THOUSAND OAKS CALIFORNIA DULUTH GEORGIA CEDAR RAPIDS IOWA KIRTLAND AIR F NEW MEXICO CINCINNATI OHIO COLUMBUS OHIO DAYTON OHIO WRIGHT PATTERS OHIO TULSA OKLAHOMA RICHARDSON TEXAS	954,037 * 194,099 54,725 174 1,100 597,096 48- 53,770 120 22,865 3,627 16,571 1,000 146- 2,718 34 90 63 6,179	7	MC DONNELL DOUGLAS CORPORATION EDWARDS AIR FO CALIFORNIA GEORGE AIR FOR CALIFORNIA HUNTINGTON BEA CALIFORNIA LONG BEACH CALIFORNIA TORRANCE CALIFORNIA DENVER COLORADO EGLIN AIR FOR FLORIDA TITUSVILLE FLORIDA WEST LAFAYETTE INDIANA ROCKVILLE MARYLAND STERLING HEIGHT MICHIGAN BERKELEY MISSOURI ST. CHARLES MISSOURI ST. LOUIS MISSOURI ST. LOUIS ARMY MISSOURI BETHPAGE NEW YORK NEW YORK NEW YORK STEEDMAN OKLAHOMA	588,448 * 613- 168 100,989 40,630 263 1,089 295- 204 50 238 323 6,560 63 437,822 225 1,025 50 37
4	GENERAL ELECTRIC COMPANY HUNTSVILLE ALABAMA WILLIAMS AIR F ARIZONA WASHINGTON DIST COL DAYTONA BEACH FLORIDA OWENSBOURG EAST KENTUCKY LYNN MASS PITTSFIELD MASS WILMINGTON MASS BINGHAMTON NEW YORK JOHNSON CITY NEW YORK SCHEECTADY NEW YORK SYRACUSE NEW YORK UTICA NEW YORK CINCINNATI OHIO EVENDALE OHIO WRIGHT PATTERS OHIO KING OF PRUSSI PENN PHILADELPHIA PENN PLEASUREVILLE PENN VALLEY FORGE PENN BURLINGTON VERMONT ARLINGTON VIRGINIA	848,238 * 8,011 3,202 600 12,719 45 87,273 170,766 944 676 1,027 80,592 178,940 27,132 146,199 952 250 10,672 106,282 900 1,600 3,866 5,290	8	HUGHES AIRCRAFT COMPANY TUCCSON ARIZONA ANAHEIM CALIFORNIA CARLSBAD CALIFORNIA CULVER CITY CALIFORNIA EL CAJON CALIFORNIA EL SEGUNDO CALIFORNIA FULLERTON CALIFORNIA FULTON CALIFORNIA HAWTHORNE CALIFORNIA IRVINE CALIFORNIA LONG BEACH CALIFORNIA LOS ANGELES CALIFORNIA MALAGA CALIFORNIA MALIBU CALIFORNIA NEWPORT BEACH CALIFORNIA SACRAMENTO CALIFORNIA TORRANCE CALIFORNIA WASHINGTON DIST COL EGLIN AIR FOR FLORIDA PLYMOUTH MINNESOTA OMAHA NEBRASKA ALBUQUERQUE NEW MEXICO	575,936 * 400- 3,156 40,630 86 2,979 476 65,041 247,685 6,042 268 697 1,141 176,829 991 8,554 161 80- 19,871 100 794 183 100 632
5	MARTIN MARIETTA CORPORATION HUNTSVILLE ALABAMA SUNNYVALE CALIFORNIA VANDEMBERG CALIFORNIA VANDEMBERG AIR CALIFORNIA DENVER COLORADO JEFFERSON CITY COLORADO WATERTON COLORADO ORLANDO FLORIDA NEW ORLEANS LOUISIANA BALTIMORE MARYLAND BALTIMORE HIGH MARYLAND HALETHORPE MARYLAND	813,576 * 122 750- 125,636 121,549 406,895 100 6,464 132,022 100 18,781 26 430	9	WESTINGHOUSE ELECTRIC CORP SUNNYVALE CALIFORNIA WASHINGTON DIST COL ANNAPOLIS MARYLAND BALTIMORE MARYLAND BALTIMORE WASH MARYLAND COCHESVSILLE MARYLAND COLUMBIA MARYLAND HUNTSVILLE MARYLAND LIMA OHIO WRIGHT PATTERS OHIO	523,133 * 600 257,815 247 1,917 137,117 8,823 3,954 292 176 250 661

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
WESTINGHOUSE ELECTRIC CORP			14	NORTHROP CORPORATION	297,422 *
MADISON	PENN	93		ANAHEIM	2,991
PITTSBURGH	PENN	9,327		HAWTHORNE	258,943
WEST MIFFLIN	PENN	101,861		PALOS VERDES E	177
				ROLLING HILLS	417
				ROLLING MEADOW	6,211
10 TRW INC		455,373 *		NORWOOD	28,683
HUNTSVILLE	ALABAMA	2,152	19	UNITED TECHNOLOGIES CORP	254,772 *
EL SEGUNDO	CALIFORNIA	1,176		SAN JOSE	12,530
JACKSON RANCHE	CALIFORNIA	100		SUNNYVALE	5,302
LAWNDALE	CALIFORNIA	150		EAST HARTFORD	5,052
LOS ANGELES	CALIFORNIA	10,000		HARTFORD	451
NORTON	CALIFORNIA	11,619		SOUTH WINDSOR	183
PLACENTIA	CALIFORNIA	155		STAFFORD	2,100
REDONDO BEACH	CALIFORNIA	244,890		STRATFORD	73,203
SAN BERNARDINO	CALIFORNIA	106,766		WINDSOR LOCKS	3,959
SAN DIEGO	CALIFORNIA	13,758		PALM BEACH	373
SAN JUAN CAPI	CALIFORNIA	4,490		WEST PALM BEAC	150,483
COLORADO SPRIN	COLORADO	11,024		ALBUQUERQUE	201
CLEVELAND	OHIO	258		FORT WASHINGTON	935
DAYTON	OHIO	765			
WRIGHT PATTERS	OHIO	1,650			
PHILADELPHIA	PENN	54			
FALLS CHURCH	VIRGINIA	36,518			
MCLEAN	VIRGINIA	5,848			
11 SPERRY CORPORATION		443,666 *	20	HONEYWELL INC	246,249 *
HUNTSVILLE	ALABAMA	2,199		WEST COVINA	1,208
PHOENIX	ARIZONA	33		DENVER	65
BENICIA	CALIFORNIA	69		CLEARWATER	65,689
SAN DIEGO	CALIFORNIA	317		TAMPA	450
CLEARWATER	FLORIDA	330		ANNAPOLIS	2,226
ST. PAUL	MINNESOTA	19,649		HALFWAY	69
ALBUQUERQUE	NEW MEXICO	1,613		KALMIA	31
WHITE SANDS MI	NEW MEXICO	36-		LEXINGTON	8,277
GREAT NECK	NEW YORK	411,986		BLOOMINGTON	2,613
SOUTHAMPTON	PENN	1,830		EDINA	318
TREVOSE	PENN	1,953		ELK RIVER	26
SALT LAKE CITY	UTAH	1,903		HOPKINS	92,207
CHARLOTTEVILLE	VIRGINIA	662		MINNEAPOLIS	23,909
DAHLGREN	VIRGINIA	121		MINNETONKA	35,276
RESTON	VIRGINIA	1,037		NEW BRIGHTON	1,350-
12 RAYTHEON COMPANY		406,161 *		NEW HOPE	658
OCELETA	CALIFORNIA	32,877		PLYMOUTH	3,377
LOS ANGELES	CALIFORNIA	408		ROSEVILLE	1,791
OXNARD	CALIFORNIA	1,876		ST. LOUIS PARK	5,399
PATRICK AIR FO	FLORIDA	213		EATONTOWN	989
ANDOVER	MASS	22,031		HORSHAM	741
BEDFORD	MASS	26,667		SEATTLE	2,280
BOSTON	MASS	571			
BURLINGTON	MASS	6,189	22	GRUMMAN AEROSPACE CORPORATION	219,824 *
LEXINGTON	MASS	1,631		EDWARDS AIR FC	3,431
LOWELL	MASS	5,312		STUART	3,297
MARLBORO	MASS	1,556		BETHPAGE	213,096
MARLBOROUGH	MASS	5,703			
NORTHBOROUGH	MASS	567	23	RCA CORPORATION	203,630 *
SUDSBURY	MASS	52,078		BURLINGTON	16,250
WALTHAM	MASS	945		ALMONesson	13,822
WAYLAND	MASS	193,217		CAMDEN	94
WAYNE	NEW JERSEY	210		CHERRY HILL	87,175
PORTSMOUTH	RHODE ISL	56,110		MOORESTOWN-LEN	458
13 INTERNATIONAL BUSINESS MCHS		315,114 *		MORRISTOWN	68,570
SAN JOSE	CALIFORNIA	862		NUTLEY	5,297
THOUSAND OAKS	CALIFORNIA	7,085		PRINCETON	7,385
GAITHERSBURG	MARYLAND	151,453		ROME	4,361
OSWEGO	NEW YORK	8,150		LANCASTER	146
OWEGO	NEW YORK	55,590		SPRINGFIELD	52
YORKTOWN HEIGHT	NEW YORK	354			270
HOUSTON	TEXAS	4,405	24	AEROJET STRATEGIC PROPULSION	196,699 *
ARLINGTON	VIRGINIA	14,861		SACRAMENTO	196,699
MANASSAS	VIRGINIA	72,554			
			25	LTV AEROSPACE AND DEFENSE CO	187,599 *
				TRUST TERR	20,674
				HONOLULU	38
				PEARL CITY	54
				WHITE SANDS MI	50
				DALLAS	168,646
				GRAND PRAIRIE	137

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

\* = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
26	WILLIAMS INTERNATIONAL CORP WALLED LAKE MICHIGAN	178,015 *		SINGER COMPANY THE DAYTON OHIO	100
		178,015		WRIGHT PATTERS OHIO	1,486
27	FORD AEROSPACE & COMMUNICATIONS NEWPORT BEACH CALIFORNIA PALO ALTO CALIFORNIA SUNNYVALE CALIFORNIA COLORADO SPRINGS COLORADO FORT LEAVENWORTH KANSAS HANOVER MARYLAND HOUSTON TEXAS	159,512 *	37	MOTOROLA INC PHOENIX ARIZONA SCOTTSDALE ARIZONA TEMPE ARIZONA WASHINGTON DIST COL	98,307 * 656 46,532 50,455 50 78 536
	34,245 33,335 14,406 61,779 3,129 7,634 4,984			ST. LOUIS MISSOURI	
28	GTE PRODUCTS CORPORATION DEL MOUNTAIN VIEW CALIFORNIA MOUNT VIEW CALIFORNIA COLORADO SPRINGS COLORADO ROCKVILLE MARYLAND DANVERS MASS NEEDHAM MASS WALTHAM MASS WESTBOROUGH MASS TOWANDA PENN ARLINGTON VIRGINIA	158,835 *	38	HARRIS CORPORATION MELBOURNE FLORIDA PALM BAY FLORIDA	78,824 * 62,658 16,166
	11,833 14,385 209 2,792 2,332 536 122,049 145 1,142 570 2,842			39 BELL HELICOPTER/TEXTRON FORT WORTH TEXAS HURST TEXAS	77,330 * 77,148 182
29	GTE SERVICE CORPORATION WESTBOROUGH MASS	153,167 *	40	LOCKHEED CORPORATION BURBANK CALIFORNIA MARIETTA GEORGIA DENVILLE NEW JERSEY PLAINFIELD NEW JERSEY	76,380 * 73,627 2,445 140 168
	153,167			41 ESL INC SUNNYVALE KOREA REP EGLIN AIR FORCE CALIFORNIA HANOVER FLORIDA	73,159 * 154- 72,962 77 274
30	AVCO CORPORATION STAFFORD CONN STRATFORD CONN STRATFORD ARMY CONN LOWELL MASS WILMINGTON MASS	140,741 *	42	BELL-BOEING JV FORT WORTH TEXAS	72,849 * 72,849
	74 4,015 493 421 135,738			43 FAIRCHILD INDUSTRIES INC EDWARDS AIR FO CALIFORNIA ANNAPOLIS MARYLAND GERMANTOWN MARYLAND FARMINGDALE NEW YORK	72,806 * 578 5,325 179 66,724
31	TEXAS INSTRUMENTS INCORPORATED DALLAS TEXAS DALLAS-FORT WORTH TEXAS LEWISVILLE TEXAS SHERMAN TEXAS	127,413 *	44	SCIENCE APPLCTN ITL CORP HUNTSVILLE ALABAMA TUCSON ARIZONA GOLETA CALIFORNIA HERMOSA BEACH CALIFORNIA IRVINE CALIFORNIA LOS ANGELES CALIFORNIA PLACENTIA CALIFORNIA SAN DIEGO CALIFORNIA SANTA BARBARA CALIFORNIA THOUSAND OAKS CALIFORNIA SAN DIEGO CALIFORNIA DENVER COLORADO MARIETTA GEORGIA BEDFORD MASS LAS VEGAS NEVADA HANOVER NEW HAMPSHIRE PRINCETON NEW JERSEY ALBUQUERQUE NEW MEXICO KIRTLAND AIR F NEW MEXICO ROME NEW YORK DAYTON OHIO WRIGHT PATTERS OHIO WAYNE PENN	69,014 * 12,614 1,356 82 2,977 157 45 8,544 20,147 90 80 68 314 335 78 1,934 388 251 900 318 98 6,687 519 292
32	MORTON THIOKOL INC BRIGHAM CITY UTAH	126,889 *		45 EATON CORPORATION ARLINGTON VIRGINIA MCLEAN VIRGINIA OAK RIDGE VIRGINIA	10,098 210
33	SANDERS ASSOCIATES INC HUDSON NEW HAMPSHIRE MERRIMACK NEW HAMPSHIRE NASHUA NEW HAMPSHIRE NUTLEY NEW JERSEY	112,494 *		63,507 * 57,379 4,917 213 998	
34	INTERSTATE ELECTRONICS CORP ANAHEIM CALIFORNIA	109,365 *			
35	ITT CORPORATION YUMA ARIZONA LOS ANGELES CALIFORNIA MENLO PARK CALIFORNIA SHELTON CONN FORT WAYNE INDIANA LONG BRANCH NEW JERSEY NORWOOD NEW JERSEY NUTLEY NEW JERSEY WRIGHT PATTERS OHIO ROANOKE VIRGINIA	107,697 *			
	120 5,532 83 63 6,324 778 501 92,507 717- 506				
36	SINGER COMPANY THE LUKE AIR FORCE ARIZONA WILLIAMS AIR F ARIZONA GLENDALE CALIFORNIA SAN MARCOS CALIFORNIA SILVER SPRING MARYLAND LITTLE FALLS NEW JERSEY WAYNE NEW JERSEY BINGHAMTON NEW YORK NEW YORK NEW YORK	105,456 *			
	3,836 2,970 15,295 155 230 29,938 2,140 49,246 80				
	- * MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS) S = SMALL BUSINESS				

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
46	BDM CORPORATION THE HUNTSVILLE WASHINGTON TYNDALL AIR FO COLUMBIA SHREWSBURY ALBUQUERQUE KIRTLAND KIRTLAND AIR F WHITE SANDS MI NEW YORK DAYTON WRIGHT PATTERS MCLEAN NORFOLK WARRENTON	63,295 * 413 3,671 244 2,724 82 2,543 5,521 570 6,872 8,332 246 418 255 30,765 276 163	54	ITT WESTINGHOUSE JV: NUTLEY COMPUTER SCIENCES CORPORATION HUNTSVILLE REDSTONE ARSEN CAMARILLO SAN DIEGO ORLANDO MOORESTOWN-LEN OCEAN OCEANPORT RED BANK ALBUQUERQUE HUNTINGDON VAL WARMINSTER FALLS CHURCH NEWPORT NEWS	48,582 * 48,582 45,665 * 5,069 926 2,232 661 49 7,546 855 26 2,845 4,674 329 1,538 17,727 1,188
47	CALSPAN CORPORATION BUFFALO DAYTON PHILADELPHIA ARNOLD AIR FOR	60,656 * 17,703 906 30 42,017	55	MAGNAVOX GOVT & IND ELEC TORRANCE FORT WAYNE MAHWAH FALLS CHURCH	45,197 * 12,831 28,433 2,910 1,023
48	GARRETT CORPORATION THE PHOENIX TORRANCE BELLMAWR	57,044 * 56,315 562 167	56	LITTON SYSTEMS INC LOS ANGELES DAVENPORT COLLEGE PARK PASCAGOULA MORRIS PLAINS MELVILLE FORT BLISS SALT LAKE CITY BLACKSBURG	44,700 * 35,711 810 2,703 360 76 360 3,692 959 29
49	LOGICON INC LOS ANGELES SAN DIEGO SAN PEDRO LANHAM BELLEVUE DAYTON ALTUS ARLINGTON FAIRFAX	52,564 * 323 17,170 30,664 81 500 3,310 228 250 36	57	GLOBAL ASSOC A JOINT VENTURE TRUST TERR FOREIGN	43,062 * 28,552 14,510
50	A T & T TECHNOLOGIES INC WASHINGTON NORCROSS NEW PROVIDENCE WHIPPANY BURLINGTON GREENSBORO MCLEANSVILLE ARLINGTON	51,571 * 260 700 1,340 22,043 300 25,228 1,050 650	61	HAZELTINE CORPORATION BRAINTREE GREEN LAWN MCLEAN	42,504 * 1,096 28,980 12,428
51	TELEDYNE INC HUNTSVILLE COSTA MESA HOLLISTER LOS ANGELES MOUNTAIN VIEW TOLEDO	51,426 * 40,884 416 621 5,354 57 4,094	63	AUTOMATION INDUSTRIES INC SAMARILLO SAN DIEGO GROTON RIVERDALE SILVER SPRING	41,517 * 2,632 52 700 600 37,533
52	HERCULES INCORPORATED BESSEMER EDWARDS AIR FO CUMBERLAND MCGREGOR MAGNA SALT LAKE CITY RADFORD ARMY A ROCKET CENTER	50,438 * 80 149 975 1,828 46,845 393 69 281	64	R & D ASSOCIATES MARINA DEL RAY COLORADO SPRIN ALBUQUERQUE KIRTLAND AIR F ALEXANDRIA ARLINGTON	38,286 * 1,850 29,627 513 700 600 565
53	SVERDRUP TECHNOLOGY INC ARNOLD AIR FOR TULLAHOMA	48,606 * 48,351 255	66	A A I CORPORATION ABERDEEN PROV BALTIMORE COCKEYSVILLE TOWSON	35,978 * 49 18,552 17,067 310
			67	SYSTEM DEVELOPMENT CORPORATION HUNTSVILLE SANTA MONICA WEST LONG BRAN DAYTON ARLINGTON MCLEAN	35,244 * 4,971 4,621 3,841 573 286 20,952

- \* MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

\* SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
68	EMERSON ELECTRIC CO ST. LOUIS MISSOURI	34,450 *	86	CONTROL DATA CORPORATION MINNEAPOLIS	22,356 * 2,214 20,142
69	BENDIX CORPORATION THE LOS ANGELES CALIFORNIA SUNNYVALE CALIFORNIA MISHAWAKA INDIANA BALTIMORE MARYLAND TOWSON MARYLAND AMESBURY MASS EATONTOWN NEW JERSEY TEREBORO NEW JERSEY	31,342 * 2,826 1,023 198 21,981 1,456 84 175 3,599	87	ATLANTIC RESEARCH CORPORATION GAINESVILLE WHITE SANDS MI ALEXANDRIA GAINESVILLE	21,404 * 122 129 5,759 15,391
70	TEXTRON INC SIERRA VISTA ARIZONA TUCSON ARIZONA BELMONT CALIFORNIA NICEVILLE FLORIDA NEW ORLEANS LOUISIANA BUFFALO NEW YORK WHEATFIELD NEW YORK WHEATLAND NEW YORK	30,548 * 8- 833 10,449 1,534 1,103 9,650 2,512 4,475	90	TRACOR INC SAN RAMON NEW LONDON JACKSONVILLE AUSTIN	20,259 * 347 46 190 19,676
72	UNIDYNAMICS CORPORATION GOODYEAR ARIZONA BERLAMONT MICHIGAN ST. LOUIS MISSOURI	28,597 * 946 12,012 15,639	91	PLANNING RESEARCH CORPORATION WASHINGTON TAMPA OMAHA OCEANPORT FAIRFAX MCLEAN RESTON	20,181 * 49- 120 8,316 2,591 60 8,784 359
74	SYSTEMS RESEARCH LABORATORIES HANOVER MARYLAND DAYTON OHIO WRIGHT PATTERS OHIO SAN ANTONIO TEXAS	27,068 * 1,063 11,410 14,302 293	92	SOLAR TURBINES INCORPORATED SAN DIEGO	19,103 * 19,103
76	BOLT BERANEK AND NEWMAN INC LOS ANGELES CALIFORNIA NEW LONDON CONN CAMBRIDGE MARYLAND CAMBRIDGE MASS ARLINGTON VIRGINIA	25,729 * 227 73 888 24,435 106	95	ITEK CORPORATION SUNNYVALE LEXINGTON	17,993 * 1,964 16,029
77	KAMAN SCIENCES CORPORATION SANTA BARBARA CALIFORNIA SANTA MONICA CALIFORNIA COLORADO SPRIN COLORADO BLOOMFIELD CONN BEL AIR MARYLAND BURLINGTON MASS ALBUQUERQUE NEW MEXICO ALEXANDRIA VIRGINIA	25,462 * 5,998 135 15,818 44 100 1,190 2,103 74	96	BOOZ ALLEN & HAMILTON INC SCOTT AIR FORCE BASE BETHESDA FORT MEADE ALBUQUERQUE PHILADELPHIA	17,750 * 649 15,217 1,446 388 50
79	NORDEN SYSTEMS INC SANTA ANA CALIFORNIA NORWALK CONN MELVILLE NEW YORK	24,168 * 100 23,086 982	97	CHRYSLER CORPORATION HUNTSVILLE CENTER LINE SUNRISE HEIGHT TROY	17,676 * 26 350 300 17,000
80	ELECTROSPACE SYSTEMS INC SAN DIEGO CALIFORNIA DAYTON OHIO FAIRBORN OHIO DALLAS TEXAS RICHARDSON TEXAS ARLINGTON VIRGINIA	24,108 * 121 666 458 320 22,144 399	98	AEROJET-GENERAL CORPORATION AZUSA DOWNEY NIMBUS SACRAMENTO SAN DIEGO TUSTIN	17,408 * 15,601 391 64 985 200 147
82	GOODYEAR AEROSPACE CORPORATION LITCHFIELD ARIZONA LITCHFIELD PAR ARIZONA AKRON OHIO	23,217 * 7,241 1,417 14,559	99	JAYCOR FRESNO SAN DIEGO SANTA BARBARA SANTA MONICA VICKSBURG ALBUQUERQUE DAYTON ALEXANDRIA MCLEAN	S 16,806 * 250 10,654 98 100 25 73 176 5,347 83
84	FMC CORPORATION ANNISTON ALABAMA SAN JOSE CALIFORNIA LOUISVILLE MARYLAND MINNEAPOLIS MINNESOTA	22,583 * 1,400 17,876 154- 3,461	100	AMEX SYSTEMS INC SAN DIEGO	S 16,795 * 16,795
			103	TELEDYNE INDUSTRIES INC MOBILE LOS ANGELES SAN DIEGO TORRANCE MUSKEGON WHITE SANDS MI ABILENE	15,913 * 750 7,071 4,148 461 306 236 326

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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
	TELEDYNE INDUSTRIES INC GARLAND TEXAS ALEXANDRIA VIRGINIA	133 2,482	119	URS-BERGER SAN BERNARDINO CALIFORNIA	11,774 *
104	THE ANALYTIC SCIENCES CORP READING MASS FAIRBORN OHIO	S 15,713 * 15,289 424	120	FORD MOTOR COMPANY PALO ALTO CALIFORNIA W. YON MICHIGAN	11,275 * 11,072 203
105	ULTRASYSTEMS INCORPORATED SIERRA VISTA ARIZONA HAWTHORNE CALIFORNIA IRVINE CALIFORNIA FAIRFAX VIRGINIA	15,597 * 6,251 2,508 6,805 33	122	DYNALECTRON CORPORATION POINT MUGU NAV CALIFORNIA ALBUQUERQUE NEW MEXICO DAYTON OHIO FORT WORTH TEXAS	10,806 * 137- 10,459 157 327
106	GENERAL MOTORS CORPORATION GOLETA CALIFORNIA INDIANAPOLIS INDIANA DETROIT MICHIGAN	15,193 * 6,135 8,940 118	123	LITTLE ARTHUR D INC CAMBRIDGE MASS	10,739 * 10,739
108	SYSTEMS APPLD SCNCS CORP MONTEREY CALIFORNIA RIVERDALE MARYLAND SEVERNA PARK MARYLAND HANSOM AIR FO MASS DAYTON OHIO WRIGHT PATTERS OHIO VIENNA VIRGINIA	S 14,480 * 50 1,372 300 1,012 3,036 433 8,277	124	GENERAL RESEARCH CORPORATION HUNTSVILLE ALABAMA EL SEGUNDO CALIFORNIA SANTA BARBARA CALIFORNIA DAYTON OHIO MCLEAN VIRGINIA	10,670 * 2,368 114 5,968 798 1,422
110	CUBIC CORPORATION SAN DIEGO CALIFORNIA	13,674 * 13,674	125	BURROUGHS CORPORATION PAOLI PENN WARMINSTER PENN MCLEAN VIRGINIA	10,659 * 9,471 654 534
111	E-SYSTEMS INC SAINT PETERSBU FLORIDA DALLAS TEXAS GREENVILLE TEXAS SALT LAKE CITY UTAH FALLS CHURCH VIRGINIA	13,415 * 1,536 846 8,657 275 2,101	126	MAXWELL LABORATORIES INC SAN DIEGO CALIFORNIA	S 10,529 * 10,529
112	PHYSICS INTERNATIONAL COMPANY HERMOSA BEACH CALIFORNIA SAN LEANDRO CALIFORNIA WADSWORTH OHIO FAIRFAX VIRGINIA	12,700 * 238 11,923 364 175	127	EG&G INC NEW LONDON CONN PANAMA CITY FLORIDA ROCKVILLE MARYLAND SALEM MASS WELLESLEY MASS ALBUQUERQUE NEW MEXICO MANASSAS VIRGINIA	10,379 * 268 230 7,716 775 355 885 150
113	QUESTECH INC SUNNYVALE CALIFORNIA DAYTON OHIO LANSDALE PENN MCLEAN VIRGINIA WARRENTON VIRGINIA	S 12,476 * 54 1,138 202 8,923 2,159	128	NICHOLS RESEARCH CORP INC HUNTSVILLE ALABAMA	S 10,108 * 10,108
115	INTERMETRICS INC HUNTINGTON BEA CALIFORNIA NEW LONDON NAV CONN BETHESDA MARYLAND CAMBRIDGE MASS WARMINSTER PENN	S 12,060 * 480 65 3,221 6,642 1,652	129	SONICRAFT INC CHICAGO ILLINOIS	S 9,972 * 9,972
116	BALL CORPORATION BOULDER COLORADO	12,050 * 12,050	130	SOFTech INC WALTHAM MASS DAYTON OHIO FAIRBORN OHIO WRIGHT PATTERS OHIO ARLINGTON TEXAS	S 9,936 * 6,620 126 945 1,960 285
117	MISSION RESEARCH CORPORATION SAN DIEGO CALIFORNIA SANTA BARBARA CALIFORNIA COLORADO SPRIN COLORADO WASHINGTON DIST COL ALBUQUERQUE NEW MEXICO	S 12,048 * 237 7,509 1,063 85 3,154	135	PAR TECHNOLOGY CORPORATION INGLEWOOD CALIFORNIA COLORADO SPRIN COLORADO HARTFORD NEW YORK NEW HARTFORD NEW YORK NEW YORK NEW YORK MCLEAN VIRGINIA	S 9,462 * 44 99 38 8,779 160 342
118	S-CUBED PLACENTIA CALIFORNIA SAN DIEGO CALIFORNIA ALBUQUERQUE NEW MEXICO RESTON VIRGINIA	S 11,777 * 249 11,022 476 30	136	HRB-SINGER INC LANHAM MARYLAND STATE COLLEGE PENN	9,156 * 179 8,977
			137	INCO INC COLORADO SPRIN COLORADO DAYTON OHIO MCLEAN VIRGINIA MARTINSVILLE VIRGINIA	S 8,850 * 6,570 440 1,737 103

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\* = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
138	ANALYTICS INCORPORATED BLOOMINGTON INDIANA OCEANPORT NEW JERSEY TINTON FALLS NEW JERSEY WILLOW GROVE PENN MCLEAN VIRGINIA	\$ 8,596 * 49 2,271 743 2,201 3,326	155	GTE CORPORATION MOUNTAIN VIEW CALIFORNIA NEEDHAM MASS WESTBOROUGH MASS	7,197 * 1,199 5,753 245
139	M. A. COM LINKABIT INC SAN DIEGO CALIFORNIA MCLEAN VIRGINIA	8,423 * 6,393 2,030	156	SYSTEM PLANNING CORPORATION ARLINGTON VIRGINIA	7,132 * 7,132
140	CUMMINS ENGINE COMPANY INC COLUMBUS INDIANA	8,342 * 8,342	157	INGERSOLL RAND COMPANY INC PRINCETON NEW JERSEY MOCKSVILLE N. CAROLINA	7,062 * 67 7,000
141	BENDIX FIELD ENGINEERING CORP COLUMBIA MARYLAND LAS VEGAS NEVADA ALBUQUERQUE NEW MEXICO	8,317 * 6,716 566 35	158	DEL REY SYSTEMS INC FREDERICKA DELAWARE	7,036 * 7,036
142	UTL CORPORATION DALLAS TEXAS	\$ 8,313 * 8,313	160	ITT AVIONICS DIV. NUTLEY NEW JERSEY	6,975 * 6,975
143	PACIFIC SIERRA RESEARCH CORP LOS ANGELES CALIFORNIA SAN DIEGO CALIFORNIA SANTA MONICA CALIFORNIA WHITE SANDS MI NEW MEXICO ARLINGTON VIRGINIA	\$ 8,224 * 7,606 52 75 210 281	161	DYNETICS INC HUNTSVILLE ALABAMA	6,700 * 6,700
144	STANFORD TELE INC SANTA CLARA CALIFORNIA STANFORD CALIFORNIA MCLEAN VIRGINIA	\$ 8,178 * 8,038 90 50	162	METRIC SYSTEMS CORPORATION FORT WALTON BE FLORIDA	6,596 * 6,596
145	BUNKER RAMO/ELTRA CORP AN ALD LOS ANGELES CALIFORNIA WESTLAKE VILLA CALIFORNIA	8,112 * 6 8,051	163	WESTERN RESEARCH CORPORATION SAN DIEGO CALIFORNIA	6,582 * 6,582
146	LEADCO CREDIT UNION SUNNYVALE CALIFORNIA	8,087 * 8,087	164	SARGENT FLETCHER COMPANY EL MONTE CALIFORNIA	8,481 * 8,481
147	ACUREX CORPORATION MOUNTAIN VIEW CALIFORNIA SANTA CRUZ CALIFORNIA	\$ 8,059 * 8,126 67	165	TELEDyne CONTINENTAL MOTORS MOBILE ALABAMA	6,400 * 6,400
148	AVCO EVERETT RESEARCH LAB HONOLULU HAWAII MAILI HAWAII PUUNENE HAWAII EVERETT MASS	7,914 * 1,752 1,091 766 4,305	166	UNIVERSAL ENERGY SYSTEMS INC MONTGOMERY ALABAMA DAYTON OHIO MONTGOMERY OHIO WRIGHT PATTERS OHIO	6,372 * 79 5,155 163 975
151	COMPTEK RESEARCH INC GOLETA CALIFORNIA SAN DIEGO CALIFORNIA BUFFALO NEW YORK ALEXANDRIA VIRGINIA VIRGINIA BEACH VIRGINIA	7,538 * 220 919 1,148 420 4,831	167	GOULD INC WILLIAMS AIR F CONCORD CALIFORNIA EL MONTE CALIFORNIA ROLLING MEADOW ILLINOIS GLEN BURNIE MARYLAND CLEVELAND OHIO	6,340 * 1,499 1,061 1,022 826 980 952
152	PERKIN-ELMER CORPORATION THE POMONA CALIFORNIA DANBURY CONN NORWALK CONN WILTON CONN	7,537 * 1,036 3,735 766 2,000	168	FLOW GENERAL INC HUNTSVILLE ALABAMA SANTA BARBARA CALIFORNIA FORT WALTON BE FLORIDA MCLEAN VIRGINIA	6,328 * 469 4,656 135 1,068
153	PICKER INTERNATIONAL INC HIGHLAND HEIGHT OHIO	7,519 * 7,519	169	CALIFORNIA RES & TECHNOLOGY LOS ANGELES CALIFORNIA	6,288 * 6,288
154	SPARTA INC HUNTSVILLE ALABAMA LAGUNA HILLS CALIFORNIA LEXINGTON MASS MCLEAN VIRGINIA	\$ 7,395 * 5,865 1,386 100 44	170	DOW CHEMICAL COMPANY THE MIDLAND MICHIGAN	6,262 * 6,262
			171	DYNAMAC INTERNATIONAL ROCKVILLE MARYLAND	6,243 * 6,243
			172	AMERICAN TELEPHONE & TELCO WASHINGTON DIST COL NORTH ANDOVER MASS WHIPPSY NEW JERSEY	6,181 * 57 1,375 4,749
			173	FAIRCHILD WESTON SYSTEMS INC SARASOTA FLORIDA SIESTA KEY FLORIDA SYOSSET NEW YORK	6,176 * 60 1,690 4,228

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
176	ADVANCED TECHNOLOGY INC MCLEAN VIRGINIA RESTON VIRGINIA	6,157 * 5,387 770	197	MARQUARDT CO INC LOS ANGELES CALIFORNIA	5,206 * 5,206
177	SCHAFER W J ASSOCIATES INC LOS ANGELES CALIFORNIA WASHINGTON DIST COL WAKEFIELD MASS ARLINGTON VIRGINIA	S 6,149 * 1,320 97 4,086 646	199	DIGITAL EQUIPMENT CORPORATION HUDSON NEW HAMPSH MERRIMACK NEW HAMPSH	5,103 * 461 4,642
178	HORIZONS TECHNOLOGY INC SAN DIEGO CALIFORNIA TORRANCE CALIFORNIA LEXINGTON MASS	S 6,130 * 2,691 375 3,064	202	ASSURANCE TECHNOLOGY CORP CARLISLE MASS	S 5,007 * 5,007
179	SPECTRA RESEARCH SYSTEMS HUNTSVILLE ALABAMA NEWPORT BEACH CALIFORNIA	S 6,083 * 5,766 317	203	PERCEPTRONICS INC LOS ANGELES MENLO PARK CALIFORNIA	S 5,001 * 4,851 150
181	BEECH ACCEPT CORP INC WICHITA KANSAS	5,870 * 5,870	207	FIGGIE INTERNATIONAL INC MONROVIA CALIFORNIA SIERRA MADRE CALIFORNIA HUNTINGTON NEW YORK HUNTINGTON STA NEW YORK	4,791 * 3,519 34 467 77
182	LEAR SIEGLER INC ONTARIO CALIFORNIA SANTA MONICA CALIFORNIA GRAND RAPIDS MICHIGAN	5,837 * 4,900 714 223	208	SPACE DATA CORPORATION TEMPE ARIZONA	S 4,755 * 4,755
183	GENTEX CORPORATION CARBONDALE PENN	5,832 * 5,832	209	SUPPORT SYSTEMS ASSOCIATES INC NORTHPORT NEW YORK DAYTON OHIO WRIGHT PATTERS OHIC	S 4,699 * 2,166 568 1,945
184	ARES INC PORT CLINTON OHIO	S 5,776 * 5,776	210	ANALYTIX ELECTRONIC SYSTEMS HUDSON NEW HAMPSH	S 4,618 * 4,618
185	C A C CORPORATION EL SEGUNDO CALIFORNIA	S 5,726 * 5,726	211	SYNOPTIC SYSTEMS CORP FALLS CHURCH VIRGINIA	S 4,612 * 4,612
186	BRUNSWICK CORPORATION COSTA MESA CALIFORNIA DE LAND FLORIDA LINCOLN NEBRASKA WILLARD OHIO MARION VIRGINIA	5,709 * 2,120 2,406 49 43 1,091	213	T S C INC SANTA MONICA CALIFORNIA TRUMBULL CONN WASHINGTON DIST COL SILVER SPRING MARYLAND	S 4,524 * 4,521 373 100 50
188	DYNAMICS RESEARCH CORPORATION WILMINGTON MASS	5,645 * 5,645	215	O R I INC ROCKVILLE MARYLAND SILVER SPRING MARYLAND	4,391 * 368 4,003
190	GILBERT ASSOCIATES INC READING PENN	5,478 * 5,478	216	TECHNOLOGY DEVLPMT CAL INC ARLINGTON TEXAS	S 4,365 * 4,365
191	MARLOW INDUSTRIES INC CARLSBAD CALIFORNIA	S 5,445 * 5,445	217	SACHS FREEMAN ASSOCIATES INC WASHINGTON DIST COL BOWIE MARYLAND	S 4,261 * 348 3,913
192	SKA TECHNOLOGIES INC SAN FRANCISCO CALIFORNIA	5,342 * 5,342	218	EDO CORPORATION NEW YORK NEW YORK	4,259 * 4,259
193	OLSA INC MONTGOMERY ALABAMA FORT BEND TEXAS	S 5,328 * 5,177 151	219	OPTIMETRICS INC WASHINGTON DIST COL ANN ARBOR MICHIGAN WHITE SANDS NM NEW MEXICO	S 4,243 * 50 3,998 195
194	HYDRO-GEN INC WOBURN MASS	S 5,276 * 5,276	220	DONALDSON COMPANY INC MINNEAPOLIS MINNESOTA	4,202 * 4,202
195	GENERAL ATOMS SAN DIEGO CALIFORNIA	5,237 * 5,237	221	MARSCO CORPORATION YORK PENN	4,189 * 154 4,035
196	ARMSTRONG INC ALBUQUERQUE NEW MEXICO MCLEAN VIRGINIA WORLD *	S 5,230 * 100 471 4,438 221	223	QEDDYNAMICS CORP SAN A BARBARA CALIFORNIA TORRANCE CALIFORNIA SPRINGFIELD VIRGINIA	S 3,881 * 2,052 195 1,634

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
228	ODETICS INC ANAHEIM	CALIFORNIA	S	3,655 *	3,655
229	INFORMATION SYS NETWKS CORP CHEVY CHASE	MARYLAND	S	3,807 *	1,867
	WRIGHT PATTERS	OHIO			1,940
230	ANALYTICAL SYS ENGRNG CORP BURLINGTON	MASS	S	3,749 *	3,789
231	GEO-CENTERS INC WASHINGTON	DIST COL	S	3,783 *	536
	SUITLAND-SILVE	MARYLAND			1,260
	TEMPLE HILLS	MARYLAND			180
	NEEDHAM	MASS			646
	NEWTON	MASS			1,087
	WATERTOWN	MASS			72
232	VITRONICS INC EATONTOWN	NEW JERSEY	S	3,758 *	2,050
	OCEANPORT	NEW JERSEY			1,708
234	VERAC INCORPORATED SAN DIEGO	CALIFORNIA	S	3,716 *	2,523
	ALBUQUERQUE	NEW MEXICO			1,086
	FAIRBORN	OHIO			107
235	SEMCOR CORP HUNTSVILLE	ALABAMA	S	3,710 *	48
	SAN DIEGO	CALIFORNIA			177
	MORESTOWN-LEN	NEW JERSEY			857
	MOUNT LAUREL	NEW JERSEY			1,671
	OCEANPORT	NEW JERSEY			49
	WALL	NEW JERSEY			530
	WARMINSTER	PENN			378
236	SANTA BARBARA GOLETA	CALIFORNIA		3,708 *	3,708
237	WEIDLINGER ASSOCIATES INC MENLO PARK	CALIFORNIA	S	3,683 *	783
	PALO ALTO	CALIFORNIA			190
	SAN DIEGO	CALIFORNIA			183
	NEW YORK	NEW YORK			2,382
	CHESAPEAKE	VIRGINIA			145
239	LORAL CORPORATION NEW YORK	NEW YORK		3,595 *	1,858
	YONKERS	NEW YORK			1,737
241	PIASECKI AIRCRAFT CORP SHARON HILL	PENN	S	3,583 *	3,583
242	APPLIED RESEARCH INC HUNTSVILLE	ALABAMA	S	3,575 *	3,575
243	SYSTEMS EXPLORATION INC SAN DIEGO	CALIFORNIA	S	3,572 *	3,572
244	SYSCON CORPORATION WASHINGTON	DIST COL		3,517 *	1,676
	ALBUQUERQUE	NEW MEXICO			1,411
	MIDDLETON	RHODE ISL			350
	THOMAS	WASHINGTON			80
245	P D A ENGINEERING SANTA ANA	CALIFORNIA	S	3,508 *	3,508
246	ENGINEERING & ECONOMICS RES VIENNA	VIRGINIA	S	3,478 *	3,478
247	TELEPHONICS CORPORATION HUNTINGTON	NEW YORK		3,466 *	3,476
248	HAYES INTERNATIONAL CORP BIRMINGHAM	ALABAMA		3,460 *	3,142
	LEEDS	ALABAMA			38
249	SYSTEMS CONTROL INC HUNTSVILLE	ALABAMA		3,416 *	28
	PALO ALTO	CALIFORNIA			3,388
251	DEFENSE SYSTEMS INC MCLEAN	VIRGINIA	S	3,362 *	3,362
253	GTE COMMUNICATION SYSTEMS CORP PHOENIX	ARIZONA		3,298 *	432
	NEEDHAM	MASS			2,788
	WALTHAM	MASS			78
254	COMMAND CNTRL & COMM CORP HUNTSVILLE	ALABAMA	S	3,265 *	30
	REDSTONE ARSEN	ALABAMA			31
	TORRANCE	CALIFORNIA			3,224
255	CHAMBERLAIN MANUFACTURING CORP NILES	ILLINOIS		3,280 *	56
	WATERLOC	IOWA			2,239
	WATERMAN	IOWA			55
	COCKEYSVILLE	MARYLAND			930
256	INFORMATION DEV APPLICATIONS BELTSVILLE	MARYLAND	S	3,272 *	3,174
	VIRGINIA BEACH	VIRGINIA			98
257	MAC AULAY-BROWN INC FAIRBORN	OHIO	S	3,250 *	2,620
	WRIGHT PATTERS	OHIO			630
258	SCOPE INCORPORATED RESTON	VIRGINIA	S	3,221 *	3,221
259	CALCULON U S CORPORATION SHREWSBURY	NEW JERSEY	S	3,220 *	2,976
	PHILADELPHIA	PENN			244
260	VARIAN ASSOCIATES PALO ALTO	CALIFORNIA		3,204 *	2,234
	SANTA CLARA	CALIFORNIA			434
	SAN JOSE	CALIFORNIA			56
	BEVERLY	MASS			480
261	EARTH TECHNOLOGY CORPORATION LONG BEACH	CALIFORNIA	S	3,189 *	2,640
	SEATTLE	WASHINGTON			549
262	SIERRA RESEARCH CORPORATION BUFFALO	NEW YORK		3,182 *	3,182
263	LITTON INDUSTRIES INC TEMPE	ARIZONA		3,159 *	750
	LOS ANGELES	CALIFORNIA			565
	SAN CARLOS	CALIFORNIA			130
	DAVENPORT	IOWA			137
	MORRIS PLAINS	NEW JERSEY			148
	WILLIAMSPORT	PENN			1,429
264	ENSCO INC INDIAN HARBOUR	FLORIDA	S	3,151 *	2,330
	SPRINGFIELD	VIRGINIA			821

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
265	MANTECH INTRNL CORP SIERRA VISTA ARIZONA LOS ANGELES CALIFORNIA ANNAPOLIS MARYLAND ROCKVILLE MARYLAND LIVINGSTON NEW JERSEY DALLAS TEXAS ALEXANDRIA VIRGINIA MCLEAN VIRGINIA	3,143 * 148 811 236 55 91 1,197 520 85	293	WATKINS-JOHNSON COMPANY SAN JOSE CALIFORNIA GAITHERSBURG MARYLAND	2,609 * 233 376
266	SPACE COMMUNICATION COMPANY GAITHERSBURG MARYLAND	3,138 * 3,138	295	ADVANCED INF DECSN SYS INC MOUNTAIN VIEW CALIFORNIA	S 2,583 * 2,583
267	COMPUTER CORP' AMER CAMBRIDGE MASS	S 3,135 * 3,135	297	XEROX CORPORATION PALO ALTO CALIFORNIA PASADENA CALIFORNIA WEBSTER NEW YORK	2,567 * 504 2,016 47
268	HACRON INC VIENNA VIRGINIA	S 3,114 * 3,114	298	MC MULLEN JOHN J ASSOCIATES NEW YORK NEW YORK ARLINGTON VIRGINIA	2,506 * 502 2,006
271	ALTUS CORPORATION SAN JOSE CALIFORNIA	S 3,035 * 3,035	299	FOSTER-MILLER INC WALTHAM MASS WALTHAM NORTH MASS	S 2,505 * 2,455 50
272	ANALYSIS & COMPUTER SYS BEDFORD MASS BURLINGTON MASS LOWELL MASS	S 3,012 * 168 160 2,684	300	T A D COMMUNICATION NUTLEY NEW JERSEY	2,500 * 2,500
273	EAGLE TECHNOLOGY INC FULLERTON CALIFORNIA ORLANDO FLORIDA EATONTOWN NEW JERSEY FORT HOOD TEXAS ARLINGTON VIRGINIA	S 2,970 * 1,288 159 833 78 612	301	HANSON R A CO INC SPOKANE WASHINGTON	S 2,484 * 2,484
274	BECHTEL NATIONAL INC SAN FRANCISCO CALIFORNIA	2,950 * 2,950	302	CONTROL DYNAMICS COMPANY HUNTSVILLE ALABAMA	S 2,449 * 2,449
275	DIVERSIFIED DATA CORPORATION SPRINGFIELD VIRGINIA	S 2,925 * 2,925	304	PHYSICAL RESEARCH INC HUNTSVILLE ALABAMA PALO ALTO CALIFORNIA PALOS VERDES E CALIFORNIA PALO VERDE CALIFORNIA ROLLING HILLS CALIFORNIA SHALIMAR FLORIDA	S 2,416 * 435 300 1,161 196 150 174
276	AUTOMATED SCIENCES GROUP INC MANHATTAN BEAC CALIFORNIA SILVER SPRING MARYLAND	S 2,916 * 1,605 1,311	307	ANALYSIS & TECHNOLOGY INC NORTH STONINGT CONN STONINGTON CONN NORFOLK VIRGINIA VIRGINIA BEACH VIRGINIA	2,385 * 474 557 172 182
279	IMPERIAL AVIATION INC JACKSONVILLE FLORIDA WEST PALM BEAC FLORIDA	2,855 * 500 2,355	310	ALLEN CORP OF AMER INC ORLANDO FLORIDA ALEXANDRIA VIRGINIA	S 2,343 * 35 2,308
280	SHIP ANALYTICS INC NORTH STONINGT CONN ORLANDO FLORIDA	S 2,828 * 1,452 1,376	312	SPARTON CORPORATION JACKSON MICHIGAN JACKSON MISS	2,282 * 2,150 132
282	NEW TECHNOLOGY INC HUNTSVILLE ALABAMA	S 2,790 * 2,790	313	TITAN SYSTEMS INC INGLEWOOD CALIFORNIA PLACENTIA CALIFORNIA SAN DIEGO CALIFORNIA DAYTON OHIO MCLEAN VIRGINIA VIENNA VIRGINIA	S 2,215 * 95 92 343 119 917 649
284	TVI ENERGY CORPORATION BELTSVILLE MARYLAND	S 2,724 * 2,724	314	PROPRIETARY SFTWR SYS INC SANTA MONICA CALIFORNIA	S 2,214 * 2,214
285	CACI INC FEDERAL ARLINGTON VIRGINIA	2,718 * 2,718	316	ADVANCED RES/APLNTNS CP SUNNYVALE CALIFORNIA	S 2,201 * 2,201
286	E-BEAM DATA SYSTEMS INC FAIRFIELD CONN	S 2,709 * 2,709	317	APPLICATION RESEARCH CORP DAYTON OHIO WRIGHT PATTERS OHIO	S 2,200 * 1,040 1,160
289	AQUA-CHEM INC MILWAUKEE WISCONSIN	2,681 * 2,681			
292	ARGOSYSTEMS LOS ANGELES CALIFORNIA SUNNYVALE CALIFORNIA	S 2,641 * 59 2,582			

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
319	DYNAMICS TECHNOLOGY TORRANCE	2,198 *	345	NUCLEAR METALS INC CONCORD	1,971 *
	CALIFORNIA	2,198		MASS	1,971
320	INTERSPEC INC WASHINGTON CONSHOHOCKEN	2,193 *	346	ARETE ASSOCIATES INC	1,947 *
	DIST COL PENN	118		CALIFORNIA	1,947
		2,075	348	BETAC CORPORATION ARLINGTON	1,929 *
321	ARINC RESEARCH CORPORATION SAN DIEGO	2,191 *		VIRGINIA	1,929
	CALIFORNIA	387	349	ADVANCED DIGITAL SYSTEM INC SAN DIEGO	1,919 *
	SANTA ANA	819		CALIFORNIA	1,919
	ANNAPOLIS	985	352	MATERIAL CONCEPTS INC COLUMBUS	1,895 *
323	TEKTRONIX INC GAITHERSBURG	2,160 *		OHIO	1,895
	BEAVERTON	66	353	TECHDYN SYSTEMS CORPORATION RED BANK	1,694 *
	BLUE BELL	2,045		ALEXANDRIA	234
	PENN	49		VAIRGINIA	1,660
325	LOCKHEED ELECTRONICS COMPANY ORLANDO	2,146 *	354	SIGNAL COMPANIES INC THE PHOENIX	1,871 *
	FLORIDA	442		ARIZONA	677
	DENVILLE	637		CALIFORNIA	934
	PLAINFIELD	862		ILLINOIS	60
	NEW JERSEY	205	355	SIGNAL SCIENCE INC SANTA CLARA	1,794
	SAN ANTONIO			MARYLAND	75
326	HUMAN FACTORS RESEARCH GOLETA	2,136 *	356	SIGNAL SCIENCE INC HANOVER	1,869 *
	CALIFORNIA	2,136		CALIFORNIA	
327	HANCOCK/DIKEWOOD SERVICES INC ALBUQUERQUE	2,125 *	357	CONTEL INFORMATION SYSTEMS INC BETHESDA	1,857 *
	NEW MEXICO	2,125		MARYLAND	600
328	PHYSICAL SCIENCES INC ANDOVER	2,121 *		FAIRFAX	1,257
	MASS	1,431	358	ANALYTIC DECISION INCORPORA ARLINGTON	1,844 *
	BOSTON	157		VAIRGINIA	1,844
	NORTH ANDOVER	130	361	SCI TEC INC PRINCETON	1,835 *
	WOBURN	403		GERMANY NEW JERSEY	125
330	ALL-BANN ENTERPRISES INC ANAHEIM	2,096 *			1,710
	CALIFORNIA	2,096	362	ONAN CORPORATION MINNEAPOLIS	1,812 *
331	COMPUTER SCIENCE APPL INC ARCADIA	2,087 *		MINNESOTA	1,812
	CALIFORNIA	37	363	SCIENTIFIC RSRCH ASSOC INC GLASTONBURY	1,807 *
	FORT WALTON BE	1,706		CONN	1,707
	WALTON	344		ARLINGTON	100
332	ELECTRONIC ASSOCIATES INC HUNTSVILLE	2,075 *	365	TCOM CORP COLUMBIA	1,803 *
	ALABAMA	75		MARYLAND	1,803
	WEST LONG BRAN	2,000	366	UNITED STATES DEPARTMENT DEF FULLERTON	1,800 *
	NEW JERSEY			CALIFORNIA	1,800
333	SANTA MONICA BANK WARWICK	2,071 *	367	ROHM AND HAAS COMPANY HUNTSVILLE	1,799 *
	RHODE ISL	230		ALABAMA	356
	FORT WORTH	1,841		PENN	1,443
334	WASHINGTON PATROL SERVICE INC TRUST TERR	2,052 *	368	AEROJET ORDNANCE COMPANY TUSTIN	1,796 *
		2,052		CALIFORNIA	300
336	PACER SYSTEMS INC BURLINGTON	2,034 *		JONESBORO	1,496
	MASS	848	369	I R T CORPORATION SAN DIEGO	1,782 *
	FORT WASHINGTON	1,386		CHICAGO	1,472
339	DELTA RESEARCH INC HUNTSVILLE	2,012 *		MCLEAN	40
	ALABAMA	2,012	370	POLAR RESEARCH LABORATORY INC CARPINTERIA	1,470
340	FIBER MATERIALS INC BIDDEFORD	2,001 *		SANTA BARBARA	366
	MAINE	2,001		CALIFORNIA	1,410
341	CINCINNATI ELEC CORP CINCINNATI	2,000 *	371	SCIENTIFIC SYSTEMS INC BOSTON	1,766 *
	OHIO	2,000		MASS	542
343	ELECTRONIC WARFARE ASSOC SANTA CLARA	1,973 *		CAMBRIDGE	971
	CALIFORNIA	1,873		TEXAS	253
	ORLANDO	100			

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(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
372	CLASSIFIED DOMESTIC	1,750 * 1,750	398	G T E LABORATORIES INC WALTHAM MASS	1,547 * 1,547
373	SYSTEMS PLANNING & ANALYSIS FALLS CHURCH VIRGINIA	S 1,750 * 1,750	400	D B A SYSTEMS INC MELBOURNE FLORIDA FORT KNOX KENTUCKY	S 1,546 * 1,515 31
374	PLANNING SYSTEMS INC MCLEAN VIRGINIA	S 1,746 * 1,746	401	METEOR COMMUNICATIONS CORP KENT WASHINGTON	S 1,538 * 1,538
380	PHYSICAL DYNAMICS INC PLACENTIA CALIFORNIA SAN DIEGO CALIFORNIA ARLINGTON VIRGINIA BELLEVUE WASHINGTON	S 1,706 * 323 674 183 526	402	POLARIS INC HUNTSVILLE ALABAMA ARLINGTON VIRGINIA	S 1,520 * 200 1,320
381	C N R INC NEEDHAM MASS	S 1,692 * 1,692	403	RESEARCH ANALYSIS MNTNCE INC EL PASO TEXAS	S 1,511 * 1,511
382	KETRON INC SAN DIEGO CALIFORNIA BALTIMORE MARYLAND WAYNE PENN ARLINGTON VIRGINIA	S 1,692 * 150 454 236 852	404	AEROJET TECHSYSTEMS SACRAMENTO CALIFORNIA	1,508 * 1,508
383	SUMMIT RESEARCH CORPORATION GAITHERSBURG MARYLAND	S 1,691 * 1,691	405	APPLIED RESEARCH ASSOC INC LANDOVER MARYLAND VICKSBURG MISSISSIPPI ALBUQUERQUE NEW MEXICO RALEIGH NORTH CAROLINA SOUTH ROYALTON VERMONT	S 1,500 * 50 50 1,197 133 70
384	TECHPLAN CORP MAPLE SHADE NEW JERSEY	S 1,676 * 1,676	406	ENERGY RESEARCH CORPORATION CANTON CONNECTICUT	1,493 * 1,493
386	VEDA INCORPORATED POINT MUGU NAV CALIFORNIA POINT MUGU PAC CALIFORNIA DAYTON OHIO SOUTHAMPTON PENN ARLINGTON VIRGINIA	S 1,664 * 40 147 727 195 555	407	GENERAL OFFSHORE CORPORATION SAN JUAN PUERTO RICO FORT LAUDERDALE FLORIDA KEY WEST FLORIDA PORT CANAVERAL FLORIDA	S 1,485 * 168 229 919 169
387	SCIENCE & ENGINEERING ASSOC ANAHEIM CALIFORNIA BOSTON MASS LEXINGTON MASS SALEM MASS ALBUQUERQUE NEW MEXICO MCLEAN VIRGINIA	S 1,644 * 32 186 77 195 1,000 154	408	TRIAD MICROSYSTEMS INC HUNTSVILLE ALABAMA SANTA ANA CALIFORNIA	S 1,480 * 1,355 125
389	DECISIONS AND DESIGNS INC MCLEAN VIRGINIA	S 1,612 * 1,612	409	FLIGHT SYSTEMS INC NEWPORT BEACH CALIFORNIA POINT MUGU NAV CALIFORNIA WHITE SANDS NM NEW MEXICO	1,463 * 1,051 127 285
390	AMPEX CORPORATION REDWOOD CITY CALIFORNIA	S 1,594 * 1,594	410	C A I DIV OF RECON OPTICAL BARRINGTON ILLINOIS BARRINGTON HIG ILLINOIS	1,462 * 1,412 50
391	BELL AEROSPACE TEXTRON BUFFALO NIAGARA FALLS NEW YORK NEW YORK	S 1,591 * 1,114 477	411	TELEDYNE ENERGY SYSTEMS LUTHERVILLE-TI MARYLAND	1,456 * 1,456
392	THICKOL CORPORATION HUNTSVILLE ALABAMA ELKTON MARYLAND BRIGHAM CITY UTAH	S 1,581 * 1,218 108- 471	413	INTERNATIONAL SIGNAL & CONTRL LANCASTER PENN	S 1,449 * 1,449
393	XONTECH INC LOS ANGELES CALIFORNIA	S 1,573 * 1,573	414	FLOW INDUSTRIES INC KENT WASHINGTON	S 1,437 * 1,437
395	KARAGOZIAN & CASE LOS ANGELES CALIFORNIA	S 1,557 * 1,557	415	MARK RESOURCES INC SANTA MONICA CALIFORNIA	S 1,437 * 1,437
396	CORVUS SYSTEMS INC VIENNA VIRGINIA	S 1,551 * 1,551	417	H H AEROSPACE DESIGN CO BEDFORD MASS	S 1,432 * 1,432
397	OCEAN TECHNOLOGY INC BURBANK CALIFORNIA	S 1,546 * 1,546	418	TECHNOLOGY INCORPORATED DAYTON OHIO SAN ANTONIO TEXAS	S 1,431 * 367 1,064
			419	AERODYNE RESEARCH INC BEDFORD BILLERICA MASS MASS	S 1,430 * 100 1,330

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

S = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION		THOUSANDS OF DOLLARS
420	INTEGRATED SYSTEMS ANALYSTS SAN DIEGO CALIFORNIA ARLINGTON VIRGINIA	S	1,413 * 379 1,034	441	FESTREW INSTITUTE LOS ALTOS CALIFORNIA PALO ALTO CALIFORNIA	S	1,293 * 957 336
421	FIRST ANN ARBOR CORPORATION ANN ARBOR MICHIGAN	S	1,407 * 1,407	442	PULSE SCIENCES INC CARMEL CALIFORNIA SAN JUAN BAPTIST CALIFORNIA	S	1,272 * 49 1,223
422	VSE CORPORATION CAMARILLO CALIFORNIA OXNARD CALIFORNIA ALEXANDRIA VIRGINIA		1,406 * 318 204 884	443	AUTOMETRIC INC FALMOUTH VIRGINIA	S	1,270 * 1,270
423	AMERICAN ELECTRONIC LABS LANSDALE PENN MONTGOMERYVILLE PENN		1,397 * 1,347 50	444	ALPHATECH INC BURLINGTON MASS	S	1,246 * 1,246
424	GULF & WESTERN INDUSTRIES INC ANAHEIM CALIFORNIA SWARTHMORE PENN		1,397 * 158 1,239	445	REVI INCORPORATED BOONTON BRANCH FLORIDA	S	1,228 * 1,228
425	TERRA TEK INC REDONDO BEACH CALIFORNIA SALT LAKE CITY UTAH	S	1,384 * 368 1,016	446	PACIFIC TECHNOLOGY DEL MAR SAN DIEGO CALIFORNIA	S	1,212 * 1,000 212
426	COMPUTER SYSTEMS MANAGEMENT ARLINGTON VIRGINIA	S	1,383 * 1,383	447	KOHLER CO KOHLER WISCONSIN		1,209 * 1,209
427	BERKELEY RESEARCH ASSOC BERKELEY CALIFORNIA WASHINGTON DIST COL NORFOLK VIRGINIA SPRINGFIELD VIRGINIA	S	1,377 * 736 70 217 354	448	E I C LABORATORY INC NEWTON MASS NORWOOD MASS	S	1,208 * 878 330
430	CLIN CORPORATION NEW HAVEN CONN EAST ALTON ILLINOIS		1,352 * 30 1,322	449	APPLIED TECHNOLOGY ASSOCIATES ALBUQUERQUE NEW MEXICO KIRTLAND AIR F NEW MEXICO	S	1,196 * 605 591
431	SPECTRON DEVELOPMENT LABS COSTA MESA CALIFORNIA ALBUQUERQUE NEW MEXICO	S	1,345 * 1,024 321	450	ADAPTIVE OPTICS ASSOCIATES INC CAMBRIDGE MASS	S	1,195 * 1,195
432	VISIDYNE INC BURLINGTON MASS	S	1,332 * 1,332	451	SOFTWARE TECHNOLOGY INC MELBOURNE FLORIDA	S	1,187 * 1,187
433	E C CORPORATION THE FORT KNOX TRUST TERR KENTUCKY	S	1,327 * 200 1,127	452	ANALYTICAL ASSESSMENTS CORP LOS ANGELES CALIFORNIA MARINA DEL RAY CALIFORNIA	S	1,180 * 900 280
435	FRIED D L ASSOCIATES INC PLACENTIA CALIFORNIA	S	1,319 * 1,319	453	KEYSTONE COMPUTER ASSOC INC FORT WASHINGTON PENN WARMINSTER PENN	S	1,177 * 949 228
436	LOCKHEED ENGRG & MGT SVS CO DUGWAY UTAH DUGWAY PROVING UTAH		1,309 * 767 542	454	ROSENBAUM HAROLD ASSOCIATES BURLINGTON MASS ARLINGTON VIRGINIA	S	1,169 * 1,109 60
437	COMCON INC CINNAMINSON NEW JERSEY RED BANK NEW JERSEY	S	1,306 * 676 632	455	MINE SAFETY APPLIANCES CO EVANS CITY PENN MURRYSVILLE PENN		1,166 * 243 923
438	CANYON RESEARCH INC THOUSAND OAKS CALIFORNIA WESTLAKE VILLA CALIFORNIA	S	1,306 * 32 1,274	456	MAXIMA CORPORATION THE BETHESDA MARYLAND SAN ANTONIO TEXAS	S	1,163 * 140 1,023
439	BEDFORD RESEARCH ASSOCIATES BEDFORD MASS HANSOM AIR FO MASS	S	1,299 * 879 420	457	C3CM TEST ENGR CONSORTIUM ALBUQUERQUE NEW MEXICO		1,150 * 1,150
440	SYNECTICS CORP FAIRFAX VIRGINIA	S	1,295 * 1,295	458	TOYON RESEARCH CORP GOLETA CALIFORNIA	S	1,145 * 1,145
				459	SCIPAR INCORPORATED BUFFALO NEW YORK	S	1,127 * 1,127

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

S = SMALL BUSINESS

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Business Firms: FY 1984  
(Concluded)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
467	ECLECTECH ASSOCIATES NORTH STONINGT	1,116 *	495	ANDRULIS RESEARCH CORP BETHESDA	982 *
	CONN	1,116		MARYLAND	982
469	B-K DYNAMICS INC SAN DIEGO ROCKVILLE	S 1,094 *	496	ANAMET LABS INC SAN CARLOS	978 *
	CALIFORNIA	23		KIRTLAND AIR F	40
	MARYLAND	1,071		WRIGHT PATTERS	100
470	HELIONETICS INC SAN DIEGO	S 1,094 *	497	ADAPTIVE SENSORS INC SANTA MONICA	976 *
	CALIFORNIA	1,094		CALIFORNIA	976
471	ORLANDO TECHNOLOGY INC ORLANDO SHALIMAR	S 1,087 *	498	TEXAS MEDICAL INSTRUMENTS INC SCHERTZ	974 *
	FLORIDA	763		TEXAS	974
	FLORIDA	324			
473	RADIAN CORPORATION AUSTIN	S 1,072 *			15,852,581
	TEXAS	1,072			
474	SYSTEMATICS GENERAL CORP WALL	S 1,055 *			
	STERLING	35			
	NEW JERSEY	1,020			
477	SIPPICAN OCEAN SYSTEMS INC MARION	S 1,050 *			
	MASS	1,050			
478	ALPHA INDUSTRIES INC WOBURN	S 1,045 *			
	MASS	1,045			
479	DAYRON CORPORATION ORLANDO	S 1,038 *			
	FLORIDA	1,038			
481	DELEX SYSTEMS INC VIENNA	S 1,035 *			
	VIRGINIA	1,035			
482	RAVEN INC SPRINGFIELD	S 1,032 *			
	VIRGINIA	1,032			
484	GARD INC NILES	S 1,026 *			
	ILLINOIS	1,026			
485	WAGNER DANIEL H ASSOCIATES PAOLI	S 1,022 *			
	PENN	1,022			
486	PHOTON RESEARCH ASSOCIATES INC PLACENTIA	S 1,021 *			
	CALIFORNIA	420			
	SAN DIEGO	601			
487	AEROMET INC JENKS	S 1,019 *			
	OKLAHOMA	913			
	TULSA	106			
488	INTERGRAPH CORPORATION HUNTSVILLE	S 1,017 *			
	ALABAMA	1,017			
489	I M R FORT LEAVENWOR	S 1,006 *			
	KANSAS	1,006			
490	INFOTRON SYSTEMS CORPORATION VIENNA	S 1,001 *			
	VIRGINIA	1,001			
491	MARINETTE MARINE CORP MARINETTE	S 1,000 *			
	WISCONSIN	1,000			
492	THINKING MACHINE CORP CAMBRIDGE	S 1,000 *			
	MASS	1,000			
493	AGBABIAN ASSOCIATES EL SEGUNDO	S 998 *			
	CALIFORNIA	998			
494	INFORMATIION SYS & NET SBA DAYTON	S 994 *			
	OHIO	572			
	SAN ANTONIO	422			

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)  
S = SMALL BUSINESS

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Educational and Nonprofit Institutions: FY 1984**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
15	AEROSPACE CORPORATION THE EL SEGUNDO CALIFORNIA ORANGE CALIFORNIA	273,409 *	78	GEORGIA TECH RESEARCH CORP ATLANTA GEORGIA HOLLOMAN AIR F NEW MEXICO	25,378 * 25,313 65
16	JOHNS HOPKINS UNIVERSITY BALTIMORE MARYLAND LAUREL MARYLAND	272,814 * 2,798 270,016	81	INSTITUTE FOR DEF ANALYSES ALEXANDRIA VIRGINIA	23,629 * 23,629
17	DRAPER CHARLES STARK LAB CAMBRIDGE MASS	267,178 * 267,178	83	HUDSON INSTITUTE INC CROTON-ON-HUDS NEW YORK HUDSON NEW YORK	22,839 * 22,715 124
18	MASSACHUSETTS INSTITUTE TECH CAMBRIDGE MASS LEXINGTON MASS LOWELL MASS	260,882 * 31,014 229,838 30	85	BATTELLE MEMORIAL INSTITUTE HUNTSVILLE ALABAMA REDSTONE ARSENAL ALABAMA LOS ANGELES CALIFORNIA MENLO PARK CALIFORNIA ORANGE CALIFORNIA PLACENTIA CALIFORNIA SAN DIEGO CALIFORNIA SAN RAFAEL CALIFORNIA BOULDER COLORADO ORLANDO FLORIDA ATLANTA GEORGIA FORT GORDON GEORGIA CHAMPAIGN ILLINOIS CHICAGO ILLINOIS WEST LAFAYETTE INDIANA MANHATTAN KANSAS ABERDEEN PROV MARYLAND BURLINGTON MASS CAMBRIDGE MASS NATICK MASS WILMINGTON MASS WOBURN MASS ANN ARBOR MICHIGAN ST. PAUL MINNESOTA DOVER NEW JERSEY CROTON-ON-HUDS NEW YORK DURHAM N CAROLINA RESEARCH TRIAN N CAROLINA CLEVELAND OHIO COLUMBUS OHIO CORVALLIS OREGON KING OF PRUSSI PENN PHILADELPHIA PENN WARMINSTER PENN CHARLESTON S CAROLINA DENTON TEXAS SAN ANTONIO TEXAS DUGWAY UTAH ALEXANDRIA VIRGINIA ARLINGTON VIRGINIA BAILEYS CROSSR VIRGINIA FAIRFAX VIRGINIA FORT BELVOIR VIRGINIA HAMPTON VIRGINIA MCLEAN VIRGINIA RICHLAND WASHINGTON SEATTLE WASHINGTON	22,386 * 220 54 28 95 27 69 109 52 39 74 108 26 39 90 27 363 846 37 68 102 42 48 33 78 302 40 77 548 28 16,396 61 60 38 83 32 57 221 70 255 56 73 64 27 49 199 911 70
21	MITRE CORPORATION THE BEDFORD MASS MCLEAN VIRGINIA	238,367 * 237,845 522	89	UNIVERSITY OF NEW MEXICO THE ALBUQUERQUE NEW MEXICO KIRTLAND AIR F NEW MEXICO	20,504 * 1,645 18,859
58	UNIVERSITY OF CAL SYS WIDE ADM BERKELEY CALIFORNIA DAVIS CALIFORNIA IRVINE CALIFORNIA ISLA VISTA CALIFORNIA LOS ALTOS CALIFORNIA LOS ANGELES CALIFORNIA PLACENTIA CALIFORNIA RIVERSIDE CALIFORNIA SAN DIEGO CALIFORNIA SAN FRANCISCO CALIFORNIA SANTA BARBARA CALIFORNIA SANTA CRUZ CALIFORNIA WRIGHT PATTERS OHIO	44,631 * 10,638 440 1,994 96 116 5,764 13,437 287 3,209 1,532 2,335 254 4,529	93	PENNSYLVANIA STATE UNIVERSITY WORCESTER MASS HERSHEY PENN STATE COLLEGE PENN	18,913 * 57 244 18,612
59	SRI INTERNATIONAL MENLO PARK CALIFORNIA	44,031 * 44,031	94	UNIVERSITY OF WASHINGTON SEATTLE WASHINGTON	18,114 * 18,114
62	I I T RESEARCH INSTITUTE CHICAGO ILLINOIS ANNAPOLIS MARYLAND LANHAM MARYLAND ROME NEW YORK	42,476 * 38,615 3,767 51 43			
65	UNIVERSITY OF TEXAS SYSTEM ARLINGTON TEXAS AUSTIN TEXAS EL PASO TEXAS GALVESTON TEXAS HOUSTON TEXAS RICHARDSON TEXAS SAN ANTONIO TEXAS	36,963 * 258 34,688 93 265 252 743 484			
71	RAND CORPORATION THE LOS ANGELES CALIFORNIA SANTA MONICA CALIFORNIA	28,888 * 18,563 10,325			
73	STANFORD LEAND JR UNIVERSITY LOS ANGELES CALIFORNIA MENLO PARK CALIFORNIA PALO ALTO CALIFORNIA SANTA CLARA CALIFORNIA STANFORD CALIFORNIA STANFORD UNIVE CALIFORNIA	27,926 * 1,695 889 1,668 50 23,004 420			
75	UNIVERSITY OF SOUTHERN CAL MARBLE FALLS ARKANSAS LOS ALTOS CALIFORNIA LOS ANGELES CALIFORNIA	26,140 * 300 148 25,692			

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

• Table 3. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Educational and Nonprofit Institutions: FY 1984  
(Continued)

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
101	UNIVERSITY OF DAYTON WILLIAMS AIR F ARIZONA EDWARDS AIR FO CALIFORNIA DAYTON OHIO WRIGHT PATTERS OHIO	16,688 * 3,186 416 10,107 2,979	201	SOUTHEASTERN CT ELCT ENGNR ED AURANTIA FLORIDA SAINT CLOUD FLORIDA BEDFORD MASS BUFFALO NEW YORK ROME NEW YORK	5,330 * 100 4,788 44 60 35
102	WOODS HOLE OCEANOGRAPHIC INSTN WOODS HOLE MASS	16,013 * 16,013	204	YALE UNIVERSITY NEW HAVEN CONN	4,050 * 4,950
107	ANALYTIC SERVICES INC ARLINGTON VIRGINIA	15,133 * 15,133	205	UNIVERSITY OF MICHIGAN ANN ARBOR MICHIGAN	4,859 * 4,859
114	NEW MEXICO STATE UNIVERSITY LAS CRUCES NEW MEXICO WHITE SANDS M: NEW MEXICO	12,339 * 6,880 5,459	206	RIVERSIDE RESEARCH INSTITUTE HUNTSVILLE ALABAMA BEDFORD MASS NEW YORK NEW YORK	4,827 * 288 205 4,334
121	UNIVERSITY OF ILLINOIS CHAMPAIGN ILLINOIS CHICAGO ILLINOIS URBANA ILLINOIS	10,922 * 3,621 1,766 5,535	212	UNIVERSITY OF FLORIDA GAINESVILLE FLORIDA	4,530 * 4,536
131	SOUTHWEST RESEARCH INSTITUTE DALLAS TEXAS SAN ANTONIO TEXAS	9,876 * 45 9,831	214	HUMAN RESOURCES RES ORGANIZTN ALEXANDRIA VIRGINIA	4,504 * 4,504
132	CARNEGIE MELLON UNIVERSITY PITTSBURGH PENN	9,701 * 9,701	222	SOUTHERN RESEARCH INSTITUTE BIRMINGHAM ALABAMA WATERTOWN MASS	4,069 * 4,024 45
133	UTAH STATE UNIVERSITY LOGAN UTAH SALT LAKE CITY UTAH	9,548 * 9,266 282	223	WASHINGTON BOOKER T FOUNDATIN WASHINGTON DIST COL	3,968 * 3,968
134	ENVIRONMENTAL RES INST MICH ANN ARBOR MICHIGAN	9,508 * 9,508	224	OHIO STATE UNIV RES FND COLUMBUS OHIO	3,910 * 3,910
149	NATIONAL ACADEMY OF SCIENCES WASHINGTON DIST COL WARMINSTER PENN	7,789 * 7,659 130	226	BOSTON UNIVERSITY TRUSTEES BOSTON MASS HANSON MASS	3,868 * 3,798 70
150	OREGON GRADUATE CNTR RESRCH BEAVERTON OREGON	7,591 * 7,591	227	HARVARD UNIVERSITY CAMBRIDGE MASS	3,857 * 3,857
159	UNIVERSITY OF MARYLAND INC BALTIMORE MARYLAND COLLEGE PARK MARYLAND	7,016 * 808 6,208	233	UNIVERSITY OF UTAH SALT LAKE CITY UTAH	3,729 * 3,729
165	COLUMBIA UNIVERSITY WASHINGTON DIST COL NEW YORK NEW YORK PALISADES NEW YORK	6,447 * 410 5,564 473	238	MASSACHUSETTS UNIVERSITY OF AMHERST MASS WORCESTER MASS	3,675 * 3,186 489
171	OREGON STATE UNIVERSITY CORVALLIS OREGON	6,283 * 6,283	240	UNIVERSITY OF MIAMI INC CORAL GABLES FLORIDA MIAMI FLORIDA	3,591 * 2,356 1,235
180	CORNELL UNIVERSITY ITHACA NEW YORK NEW YORK NEW YORK	5,900 * 5,428 472	250	VIRGINIA PLYTCHNC INST/ST UNIV BLACKSBURG VIRGINIA	3,411 * 3,411
187	CALIFORNIA INST PASADENA CALIFORNIA	5,709 * 5,709	252	PURDUE UNIVERSITY LAFAYETTE INDIANA WEST LAFAYETTE INDIANA	3,307 * 948 2,359
189	UNIVERSITY OF WISCONSIN SYSTEM MADISON WISCONSIN MILWAUKEE WISCONSIN	5,594 * 5,471 123	269	SYRACUSE RESEARCH CORP SYRACUSE NEW YORK	3,114 * 3,114
198	UNIVERSITY OF PENNSYLVANIA PHILADELPHIA PENN STATE COLLEGE PENN	5,163 * 5,121 42	270	RENNSELAER PLYTCHNC INS TROY NEW YORK	3,101 * 3,101
200	RUTGERS THE STATE UNIVERSITY NEW BRUNSWICK NEW JERSEY PISCATAWAY NEW JERSEY PISCATAWAYTOWN NEW JERSEY	5,053 * 771 4,232 50	277	PRINCETON UNIVERSITY MONMOUTH JUNCT NEW JERSEY PRINCETON NEW JERSEY	2,904 * 296 2,608
			278	OKLAHOMA STATE UNIV AP SC EGLIN AIR FORC FLORIDA STILLWATER OKLAHOMA	2,877 * 1,875 1,002

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**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Educational and Nonprofit Institutions: FY 1984  
(Continued)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
281	NEW MEXICO INST MINING & TECH SOCORRO NEW MEXICO	2,816 *	342	NEW YORK UNIVERSITY ITHACA NEW YORK	1,999 * 100
283	UNIVERSITY OF ARIZONA TEMPE ARIZONA	2,757 *			1,699
	TUCSON ARIZONA	70			
		2,687	344	STEVENS INSTITUTE TECHNOLOGY HOBOKEN NEW JERSEY	1,973 * 1,973
287	GEORGE WASHINGTON UNVRSTY THE WASHINGTON DIST COL	2,703 *	347	GEORGETOWN UNIVERSITY WASHINGTON DIST COL	1,946 * 1,946
288	NORTH CAROLINA STATE UNIV RALEIGH N CAROLINA	2,700 *	350	LEHIGH UNIVERSITY BETHLEHEM PENN	1,916 * 1,458
		2,700		SAYBROOK PENN	458
290	CASE WSTRN RSRV UNVRSTY CLEVELAND OHIO	2,666 *	351	UNIVERSITY OF PGH COMMON PITTSBURGH PENN	1,914 * 1,914
	PITTSBURGH PENN	2,503			
		163			
291	UNIVERSITY OF RHODE ISLAND KINGSTON RHODE ISL	2,647 *	356	RESEARCH FNDTN ST UNIV OF N ALBANY NEW YORK	1,860 * 1,240
		2,647		BUFFALO NEW YORK	315
294	WASHINGTON UNIVERSITY ST LOUIS MISSOURI	2,595 *		STONY BROOK NEW YORK	305
296	SALK INSTITUTE SAN DIEGO CALIFORNIA	2,580 *	358	TRUSTEES COLUMBIA UNVRSTY NEW YORK NEW YORK	1,851 * 1,851
	SWIFTWATER PENN	105			
		2,475	360	MICHIGAN STATE UNIVERSITY EAST LANSING MICHIGAN	1,838 * 1,783
303	STANFORD UNIVERSTY STANFORD CALIFORNIA	2,433 *		LANSING MICHIGAN	55
		2,433	362	GEORGIA INSTITUTE TECHNOLOGY ATLANTA GEORGIA	1,824 * 1,821
305	RESEARCH TRIANGLE INSTITUTE RESEARCH TRIAN N CAROLINA	2,402 *	375	COLORADO STATE UNIVERSITY FORT COLLINS COLORADO	1,745 * 1,745
	RALEIGH N CAROLINA	2,323			
		79	376	POLYTECHNIC INSTITUTE OF NY BROOKLYN NEW YORK	1,737 * 500
309	BROWN UNIV PRV ST RI PLAN HANOVER PENN	2,352 *		FARMINGDALE NEW YORK	131
	PROVIDENCE RHODE ISL	106		NEW YORK NEW YORK	1,106
		2,246	377	EMMANUEL COLLEGE BOSTON MASS	1,730 * 849
311	UNIVERSITY OF COLORADO BOULDER COLORADO	2,338 *		HANSCOM AIR FO MASS	371
	COLORADO SPRIN COLORADO	1,837		LEXINGTON MASS	510
	DENVER COLORADO	275			
		226	378	FLORIDA STATE UNIVERSITY TALLAHASSEE FLORIDA	1,729 * 1,729
315	UNIVERSITY OF MINNESOTA MINNEAPOLIS MINNESOTA	2,214 *			
	ST PAUL MINNESOTA	792	379	ARMOUR PHARMACEUTICAL COMPANY CHICAGO ILLINOIS	1,711 * 1,711
	ST PAUL MISSOURI	1,391			
		31	385	BATTELLE-COLUMBUS LABORATORS COLUMBUS OHIO	1,671 * 1,671
318	NORTHEASTERN UNVSTY CORP BOSTON MASS	2,200 *	388	DUKE UNIVERSITY BEAUFORT N CAROLINA	1,627 * 36
		2,200		DURHAM N CAROLINA	1,591
322	UNIVERSITY OF NORTH CAROLINA CHAPEL HILL N CAROLINA	2,166 *	394	UNIVERSITY OF ALABAMA BIRMINGHAM ALABAMA	1,559 * 472
		2,166		HUNTSVILLE ALABAMA	702
324	TEXAS A & M RESEARCH FDN COLLEGE STATION TEXAS	2,147 *		TUSKEGEE ALABAMA	385
		2,147	399	NORTHWESTERN UNIVERSITY EVANSTON ILLINOIS	1,547 * 1,547
329	BOSTON COLLEGE TRUSTEES OF BOSTON MASS	2,112 *			
	CAMBRIDGE MASS	202	412	OHIO STATE UNIVERSITY THE COLUMBUS OHIO	1,451 * 1,451
	HANSCOM AIR FO MASS	53-			
	NEWTON MASS	335	416	LA JOLLA INSTITUTE PLACENTIA CALIFORNIA	1,434 * 242
		1,628		SAN DIEGO CALIFORNIA	1,075
335	UNIVERSITY OF ROCHESTER ROCHESTER NEW YORK	2,036 *		ROCKVILLE MARYLAND	117
		2,036			
337	UNIVERSITY OF IOWA INC THE IOWA CITY IOWA	2,029 *			
		2,028			
338	UNIVERSITY OF HAWAII HONOLULU HAWAII	2,016 *			
		2,016			

- = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Educational and Nonprofit Institutions: FY 1984  
(Concluded)**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
428	WENTWORTH INST TECHNOLOGY BOSTON MASS	1,371 *			
434	WASHINGTON STATE UNIV BETHESDA MARYLAND PULLMAN WASHINGTON SEATTLE WASHINGTON	1,320 * 62 797 461			
444	UNIVERSITY OF MISSOURI COLUMBIA MISSOURI	1,269 * 1,269			
445	MICHIGAN TECHNOLOGICAL UNIV HORTON BAY MICHIGAN HOUGHTON MICHIGAN	1,253 * 84 1,169			
447	LOUISIANA ST UNV AGR MH CL SY BATON ROUGE LOUISIANA NEW ORLEANS LOUISIANA	1,228 * 1,191 37			
455	AMERICAN UNIVERSITY WASHINGTON DIST COL	1,192 * 1,192			
456	AMERICAN SOC FO ENGRG EDUCTN WASHINGTON DIST COL	1,190 * 1,190			
466	COLORADO SEMINARY DENVER COLORADO	1,117 * 1,117			
468	AUBURN UNIVERSITY AUBURN ALABAMA	1,115 * 1,115			
472	COLORADO SCHOOL OF MINES GOLDEN COLORADO IDAHO SPRINGS COLORADO	1,083 * 936 147			
475	ARIZONA STATE UNIV TEMPE ARIZONA TUCSON ARIZONA	1,053 * 1,008 45			
480	AGOURON INSTITUTE PLACENTIA CALIFORNIA	1,036 * 1,036			
483	DREXEL UNIVERSITY INC PHILADELPHIA PENN	1,031 * 1,031			
499	MAYO FOUNDATION ROCHESTER MINNESOTA	971 * 971			
		2,065,049			

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 4. Net Value of DOD Prime Contract Awards Over \$25,000  
for RDT&E to Foreign Contractors: FY 1984**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
88	CANADIAN COMMERCIAL CORPORATN CANADA	20,608 * 20,608			
476	ISRAEL MILITARY INDUSTRIES ISRAEL	1,050 * 1,050  21,658			

- \* MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**Table 5. Net Value of DOD Prime Contract Awards Over \$25 000  
for RDT&E to U.S. Government Agencies: FY 1984**

RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS	RANK	NAME OF CONTRACTOR AND LOCATION	THOUSANDS OF DOLLARS
109	NATIONAL AERONAUTIC ASSN USA WASHINGTON DIST COL	14,400 *			
		14,400			
308	U S DEPARTMENT OF COMMERCE BOULDER COLORADO	2,358 *			
	WASHINGTON DIST COL	858			
	GAITHERSBURG MARYLAND	1,294			
	ROCKVILLE MARYLAND	100			
	SEATTLE WASHINGTON	50			
		56			
429	UNITED STATES DEPT ENERGY	1,355 *			
	OAKLAND CALIFORNIA	381			
	IDAHO FALLS IDAHO	68			
	ARGONNE ILLINOIS	60			
	ALBUQUERQUE NEW MEXICO	390			
	LOS ALAMOS NEW MEXICO	100			
	OAK RIDGE TENNESSEE	356			
500	NATIONAL SCIENCE FOUNDATION WASHINGTON DIST COL	969 *			
		969			
		19,082			

\* = MINUS AMOUNT (CANCELLATIONS EXCEED NEW AWARDS)

**ND**